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MAY 11, 1929.

Vol. CX.



THE BEST HOUSE FOR ALL PHARMACEUTICAL PRODUCTS

AND FOR PERSONAL SERVICE

Proprietors of the "Silver Churn" Dairy Preparations

OLDFIELD, PATTINSON & Co.
TELEGRAMS: "OPIUM."
PHONES: City 984 & 4033. **MANCHESTER**

For Animal Feeding "Plough" Brand Cod-Liver Oil

Experiments have proved that even in small doses this oil has a wonderful effect in promoting the growth and generally improving the condition of stock. For enriching separated milk to render it fit for rearing calves, cod-liver oil has proved to be much superior to oil cake, linseed oil, etc. Experience proves that calves fed on milk enriched in this way show a steady increase in weight and develop into strong healthy animals. Pigs benefit to a remarkable extent from the use of this oil; it increases their weight and improves their condition. The cod-liver oil must, however, be rich in vitamins; this can be assured by ordering "Plough" Brand Cod-Liver Oil. It does not give rise to any fishy taint in the milk or flesh of the animals.

Retail Prices

Half Wine Bottles .. 1/3 each
(12 to gallon)
Wine Bottles .. 2/- each
(6 to gallon)
In tins, ½ gall. 3/9, 1 gall. 6/6, 5 gall. 31/-
In barrels, 25 gall. 145/- each

Wholesale Prices

Half Wine Bottles .. 11/3 doz.
(12 to gallon)
Wine Bottles .. 18/- doz.
(6 to gallon)
In tins, ½ gall. 2/10, 1 gall. 4/11, 5 gall. 24/6
In barrels, 25 gall. 116/- each

Literature supplied to chemists on application for circularising Farmers and Stockbreeders.

Allen & Hanburys, Ltd., Bethnal Green, London, E.2

Telephone: Bishopsgate 3201 (10 lines).

Telegrams: "Greenburys, Edo, London."



Your Patents House

DO you ever have to tell a would-be purchaser that you are out of stock of a Patent Medicine? Probably, but if it happens often there is something wrong, either with your stock-keeping or you do not take advantage of the Service offered by

May, Roberts'

OUR trade is built upon and maintained by celerity in working, with freedom from omissions, and the organisation is at your disposal in return for a post card.

May, Roberts & Co., Ltd.

P.O. Box 157

7-13 Clerkenwell Road, E.C.1

And at Liverpool, Plymouth and Dublin

BACKED UP BY EXTENSIVE ADVERTISING



The steady advertising pressure behind Eno's "Fruit Salt" is bringing to you more and more customers every year, and this year's advertising campaign is greater than ever. See that you are well stocked with Eno. Display Eno and benefit by the new advertising.

ENO'S "FRUIT SALT"

J. G. ENO LIMITED, 160 Piccadilly, W.1

WE ARE MAKING SALES FOR YOU !

"IDEENIT"

(REGD. TRADE MARK)

ADVERTISING BEGINS ON JUNE 1st
IN

"THE DAILY MAIL," "THE SUNDAY DISPATCH,"
"JOHN BULL," "THE MOTOR," "GOOD HOUSE-KEEPING," and many Home Journals.

SPECIAL BONUS OFFER

You must have your "IDEENIT" display in your window on June 1st. Be ready when the first request comes. In return for your confidence we will send one dozen free, with a display quantity, if ordered before the end of May. This offer will be definitely withdrawn on June 1st.

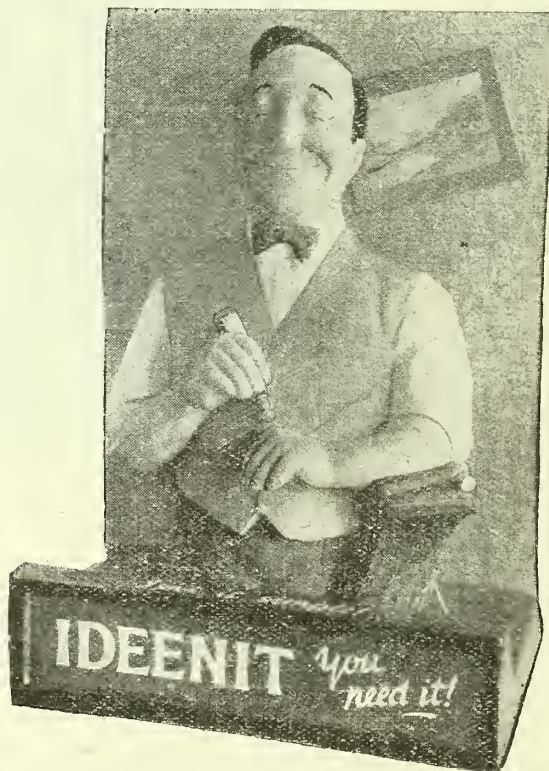
DISPLAY TERMS

"IDEENIT" retails at 1/3; costs you 10/- per dozen. No reduction for quantity.

BONUS on SALES — 3/- cash bonus when first six dozen is sold. Bonus increases by 1/- as each six dozen is sold. 6/- is maximum bonus, which makes your "IDEENIT" 9/- per dozen. First order is outright sale.

To prove this is not a seven day advertising stunt, we offer to take back whatever portion of succeeding orders remains unsold at the end of twelve months.

With each display we send a window bill, heavily mounted show cards, display outers, and two plaster-mache models



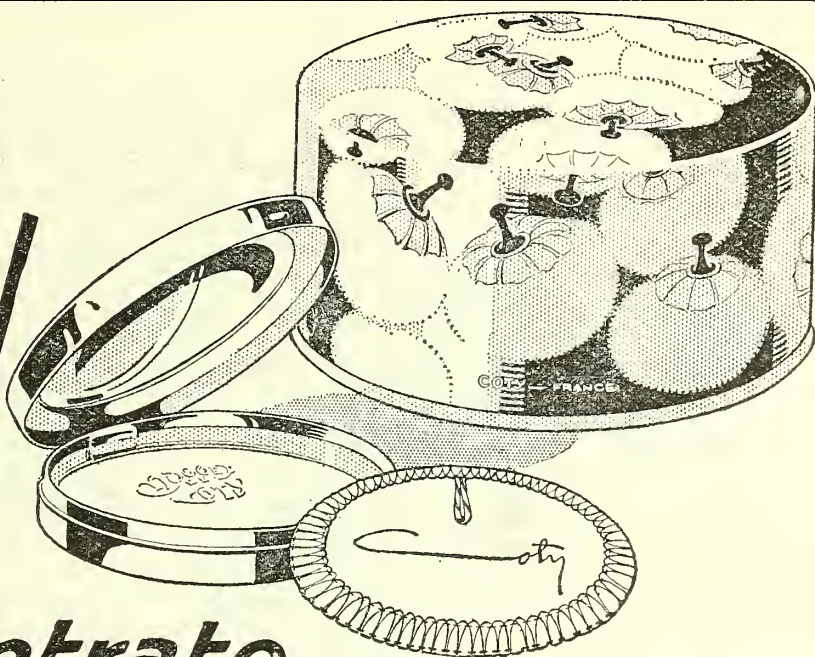
"IDEENIT"
IS THE IDEAL PACK OF
IODINE FOR ALL CLIMATES

This photograph does not do justice to these models, which are magnificent salesmen. We can only say that every chemist who has seen one is delighted.

So will you be !

The PERONIA Co., Ltd., STONEY ST., NOTTINGHAM

**Stick
to the
Line
that
sells
itself!**



**Concentrate
on COTY**

AN ANNOUNCEMENT OF IMPORTANCE TO EVERY WOMAN



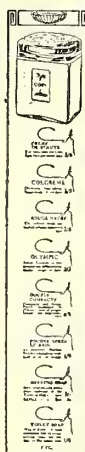
COTY
announce
REMARKABLE REDUCTIONS
in the prices of their famous Creations
FROM TO DAY ONWARDS

Every Store, Hatter, Dresser, Chemist, and other establishments selling COTY SPECIALITIES can supply them to you at the new and reduced prices, which you see in the panel on each side of this announcement.

*The same high quality,
The same beautiful presentation,
everything exactly the same -
except that they will cost you less.*

When many years ago Monsieur COTY created his marvellous perfumes and gave them the name of which they bear, he has remained in the perfume world, he created a dream that continues, complete, he would be able to place his products, which for a great number of years, are still the most beautiful in the world, with the help of the power of every woman's wish, and the world TO DAY is possible. It is a dream come true.

As an indication of COTY's value at today's prices, we have printed the following list of prices, that there is no loss. For the world's largest supply of COTY, we are now selling you per 100, per 500, per 1000, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, 260, 270, 280, 290, 300, 310, 320, 330, 340, 350, 360, 370, 380, 390, 400, 410, 420, 430, 440, 450, 460, 470, 480, 490, 500, 510, 520, 530, 540, 550, 560, 570, 580, 590, 600, 610, 620, 630, 640, 650, 660, 670, 680, 690, 700, 710, 720, 730, 740, 750, 760, 770, 780, 790, 800, 810, 820, 830, 840, 850, 860, 870, 880, 890, 900, 910, 920, 930, 940, 950, 960, 970, 980, 990, 1000.



An Invitation -
COTY Perfumes in London and
Paris in the world's largest supply of COTY
\$4500 and in a complete range of
their creations.

COTY (ENGLAND) LTD.
COTY'S LONDON, ENGLAND
COTY'S PARIS, FRANCE

All dealers now supply COTY Productions at the above prices

and watch your
sales of Toilet
Products grow!
Don't take chances
with new lines
when Coty sells
so well.

Stock more Coty!
Show more Coty!

COTY (ENGLAND) LTD.
COTY HOUSE, 3, STRATFORD PLACE
(Opposite Bond Street Underground Station.)
LONDON, W.1.

A Coty Advertisement
that sells the Product

A 'repeater'



A consistent seller for over 30 years

Of all the articles you stock, not one is in more regular demand than Mene Towels. Every woman knows them and most women use them. Despite keen competition, the sales of Mene continue to increase — a fact which definitely proves feminine appreciation of the advantages of these desirable aids to comfort and economy. Send for Lists and Terms.

ROBINSON & SONS, LTD.
Wheat Bridge Mills, CHESTERFIELD.

For those of your customers who require a soluble, easily-disposable towel, we make the "Sucas" — a Pad vastly superior to foreign-made lines.

MENE TOWELS



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KAY'S *for* FLYCATCHERS

Decorative counter display cartons ensure rapid sales

Write to-day for prices for 1-gross, 5-gross, 10-gross and 100-gross lots.

KAY'S FLYCATCHERS
are stocked by all
wholesalers.

KAY BROTHERS LIMITED, STOCKPORT

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"REMOGEN"

VINUM
FERRI
CITRATIS B.P.

Spring
Window
Display
Bonus

TONIC WINE

ON ALL ORDERS OF 3 DOZ.
LARGE SIZE, OR EQUIVALENT
WITH A DISPLAY IN YOUR
WINDOW, WE ALLOW

10/-

3 DOZEN COST YOU £6 6 0
LESS 10/- 10 0
£5 16 0
3 DOZEN SELL AT £9 0 0

Ask for further details or send order direct.

:: Window Display material supplied.

C. TOLKIEN & CO. LTD.

MALT EXTRACT MAKERS.

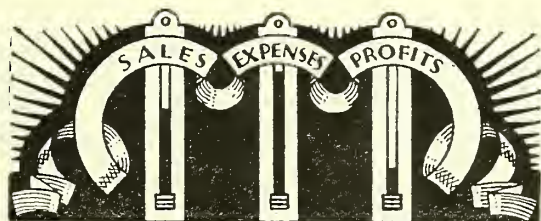
REMOGEN WORKS

SILSDEN, YORKSHIRE.

TELEGRAMS: "REMOGEN" STEETON.
'PHONE: 69 STEETON.

LONDON AGENTS:
C. EDWARDS, LTD.
14 BOW LANE, E.C.4

'PHONE:
8643 CENTRAL.



The High Cost of Selling

A REACTION HAS SET IN against the policy of high-pressure selling in America. A very decided reaction, too. Not because sales are lower where this policy has been preached and practised. Sales were sometimes higher. But expenses were higher, very much higher, and profits were lower. That is why the reaction has come.

The elimination of the Wholesaler, was a chief point in the programme of the high-pressure school. But now time has tested their theory. Balance-sheets have shown its results. Sales up but profits down! So a decided reaction has developed in the Sales counsels of America.

There are not wanting in this country preachers of the high pressure policy. And it may not be difficult to find those who have already practised it—and paid.

The Wholesaler exists as an economy. The time and money he saves the chemist make his services essential. What chemist wants to see a thousand Salesmen anxious to fill him up with their varied lines? His Wholesalers save his time and supply his wants when he wants them.

BECAUSE THEY BELIEVE THAT GOOD WHOLESALE SERVICE HELPS BOTH MANUFACTURER AND RETAILER, THIS ADVERTISEMENT IS ISSUED BY

Vernon & Company Ltd

*Manufacturers, Bleachers & Medicators
of Surgical Dressings*

PENWORTHAM MILLS, PRESTON, LANCs

"Eclipse"



SAFETY RAZOR BLADES

BONUS DISPLAY SCHEME

Have you noticed how your sales increase when you carry out an effective Window Display of a product which is extensively advertised?

In consideration of your displaying to advantage "Eclipse" Show Matter, the Manufacturers will send with your order a free Bonus as follows:—

**5
FOR
1/8**

On orders of 1 or 2 boxes, a Bonus of 10% of "Eclipse" Blades.

On orders of 3 boxes or more, a Bonus of 20% of "Eclipse" Blades.

**10
FOR
3/4**

A liberal supply of attractive Show Material will be forwarded direct, and if desired, a quantity of leaflets imprinted with your name and address.

Send your order to your usual Wholesaler or direct to the makers, and take part in this profitable Scheme without delay.

ONE BOX	of 100 BLADES @ £1 13 4	less 33½% will cost £1 2 3	per Box
5 BOXES	each of 100 BLADES @ £1 13 4	less 35% will cost £1 1 8	per Box
10 BOXES	each of 100 BLADES @ £1 13 4	less 37½% will cost £1 0 10	per Box

JAMES NEILL & CO. (Sheffield) LTD., Steel Manufacturers, SHEFFIELD.

NEW MIX

Special Features

and

Selling Points

The 12 following points give you sound reasons for the tremendous popularity of New Mix in such a remarkably short time :—


- | | |
|-----------------------------|--|
| 1. A new Discovery. | 8. Good Profit. |
| 2. British Made. | 9. Window Display Competition. |
| 3. A tube within a tube. | 10. Attractive display material. |
| 4. Containing Fruit Juices. | 11. Film and Press publicity. |
| 5. No Grit. | 12. Satisfaction guaranteed or price refunded. |
| 6. No Soap. | |
| 7. No Drugs. | |



GILMONT PRODUCTS LTD., Willing Building, 356-364 Gray's Inn Rd., London, W.C.

Important Reduction in Price

INSULIN 'A.B.'

TRADE  MARK **Brand**

Manufactured in England and issued jointly by
THE BRITISH DRUG HOUSES LTD. and ALLEN & HANBURY LTD.
under licence from the Medical Research Council

We beg to announce an important reduction in the price of Insulin 'A.B.' Brand, the revised prices of which are as follows, and take effect from May 10th

20 units per c.c. In bottles containing :

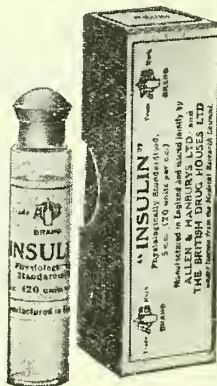
5 c.c. (100 units or 10 doses)	-	2/- each
10 c.c. (200 " 20 ")	-	4/- "
25 c.c. (500 " 50 ")	-	10/- "

40 units per c.c. In bottles containing :

5 c.c. (200 units or 20 doses)	-	4/- each
--------------------------------	---	----------

Prolonged and progressive research continuously directed to the improvement of the manufacturing process has resulted in the present extremely high degree of purity which characterises 'A.B.' Insulin. The absence of protein impurities ensures immunity from any reaction following injections. 'A.B.' Insulin has achieved a world-wide reputation for its absolute reliability and the consistently satisfactory results which it yields. This high degree of purity is being rigidly maintained. The reduction in price which we are announcing does not involve any departure from the standard, nor the slightest relaxation of the strict scientific and physiological control by which the constancy, sterility and stability of 'A.B.' Insulin are ensured.

Every batch of 'A.B.' Insulin is submitted to and approved by the Medical Research Council.



The above prices are subject to the same discount as before.

Joint Licensees and Manufacturers :

Allen & Hanburys Ltd.
Bethnal Green, London, E. 2

The British Drug Houses Ltd.
Graham Street, London, N. 1

Maw's Page

Maw's Dressings speak for themselves

Take a few packets of Maw's Yellow Label Dressings. Group them in the window or in the Surgical Sundries showcase and you will have as attractive a display of surgical dressings as it is possible to secure.

Imagine the impression this display will make on the mind of your customer who, knowing nothing of the technicalities of surgical dressing manufacture, must rely on you for dressings of thoroughly dependable quality at reasonable prices.

Will not this display, reflecting as it does the sterling quality of the dressings, strengthen your customer's faith in your judgment, secure his goodwill and bring him to your counter again and again? Are not these permanent customers worth having?

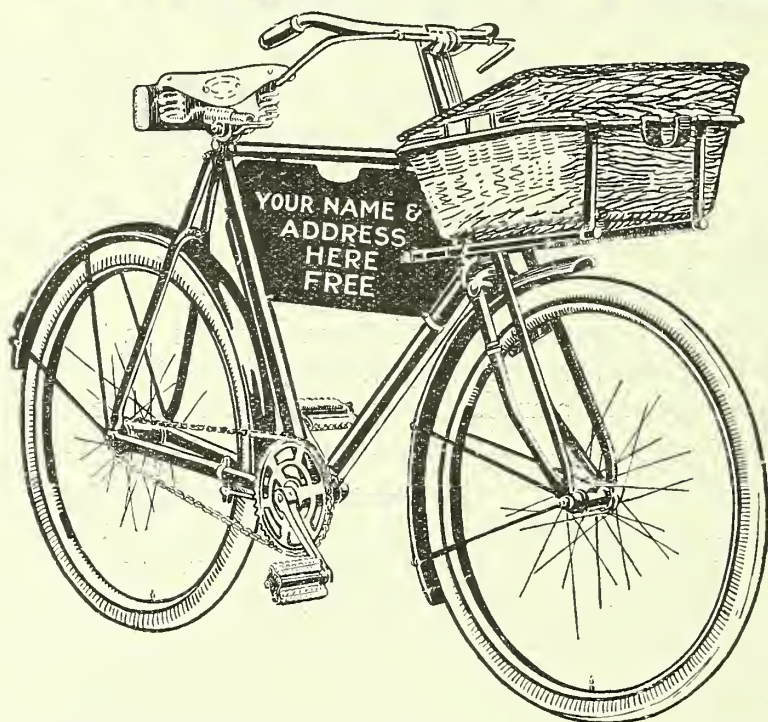
For you, the Yellow Label affixed to each packet of Maw's Dressings is, virtually, a guarantee. For it identifies Dressings which are actually made by Maw's for pharmacy; dressings which, being made under ideal conditions and packed in hygienic surroundings, set the standard of perfection; dressings which, for many pharmacists, form the basis of a successful Surgical sundries business.

Sell Maw's Dressings exclusively. Display them prominently and consistently. Recommend them always.

S. Maw, Son & Sons, Ltd.,
Aldersgate St., London,
and Barnet.



Buy a Carrier Cycle
that won't wear out—a
RALEIGH
CARRIER CYCLE



It is in a carrier cycle that you need the superlative qualities of the Raleigh—the exclusive all-steel construction and patent pressure brazing which give double the strength of ordinary bicycles; the tough-core, diamond-hard bearings which last so long; the indestructible finish which defies the treatment of even the most careless messenger boy—to mention only a few of the unique features.

**Only 17/9 monthly
(no deposit)
or £9 10s. cash.**

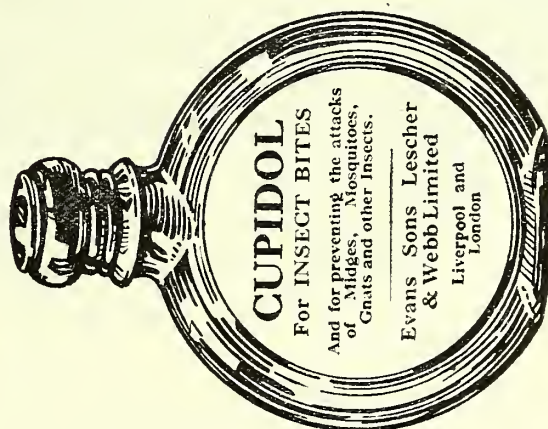
The price includes a tubular carrier 18" x 20" built to frame, large substantial basket and a nameplate lettered with 60 letters free. Special types to suit your own requirements.

Send for address of nearest agent who will show you specimen.

THE RALEIGH CYCLE CO., LIMITED, NOTTINGHAM.

CUPIDOL

CUPIDOL is the most EFFECTIVE Anti-sting ; non-greasy, non-poisonous, pleasantly perfumed. You can recommend it with every confidence for the prevention and relief of insect bites :— mosquitoes, midges, gnats, etc. It keeps the flies away.

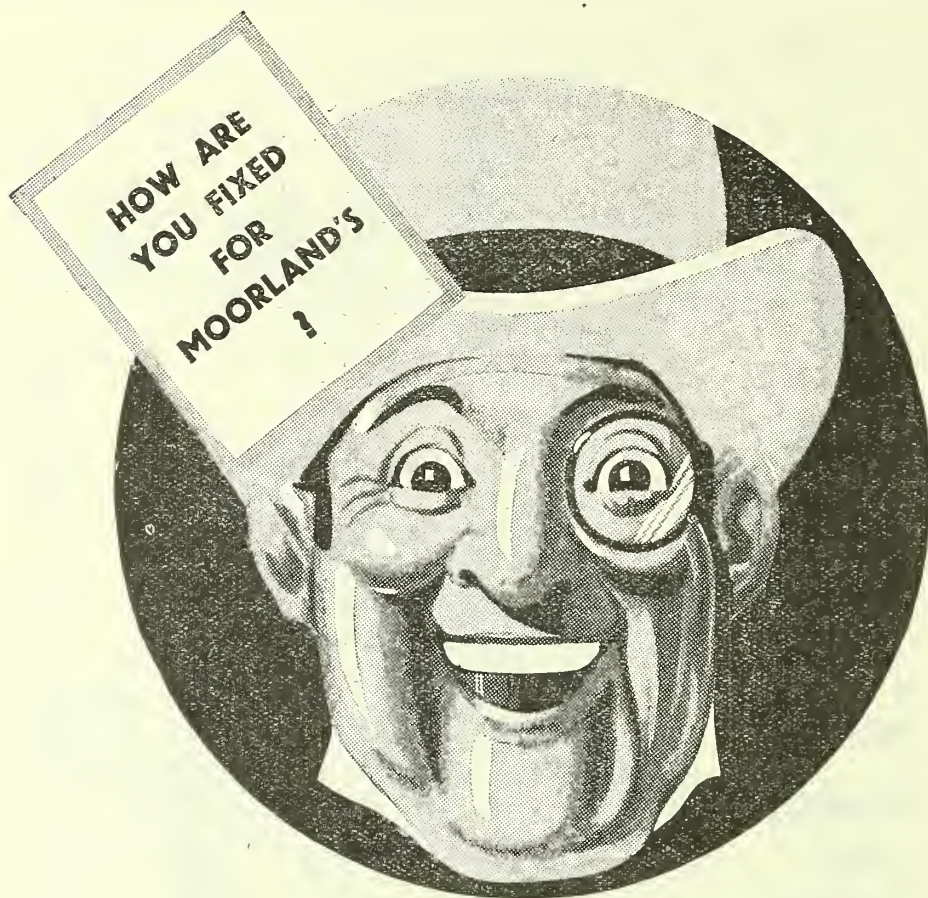


Actual Size.

CUPIDOL is easy to store and to handle, packed in handy pocket flasks. It gives a good profit, and entire satisfaction. Attractive show-card and display material supplied.

Wholesale Price, 5/9 per dozen ; Retail, 9d. each.
Wholesale Price, 9/- per dozen ; Retail, 1/3 each.

EVANS SONS LESCHER & WEBB, LTD.



"MOORLAND'S" ALWAYS SELL SO CONSISTENTLY

because they "do the trick"

Being such a reliable aid to digestion 'Moorland's'
are continually in demand.

They are enjoying a permanent run of vastly
increased sales. Their growth is continual.

They are being sold daily to an ever increasing
number of satisfied customers.

HEAPS OF GOOD SHOWMATTER WITH EVERY ORDER

One Dozen 4/6; One Gross 51/-; Retail 7½d.

W. B. CARTWRIGHT LTD. RAWDON NR. LEEDS

Free Jars

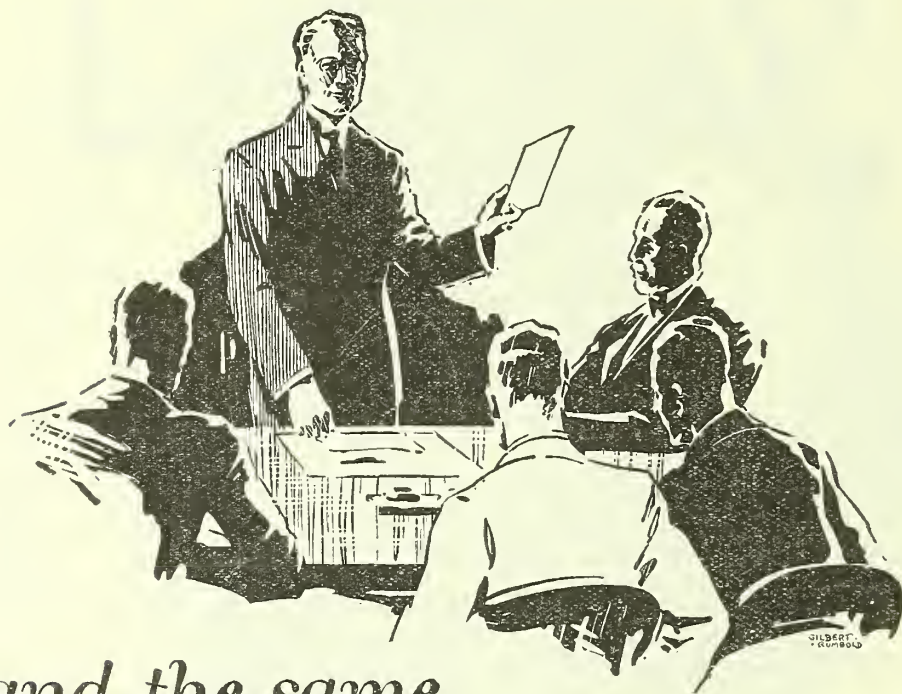


These jars help your display—
display sells the goods, and we
bear the cost. When empty the

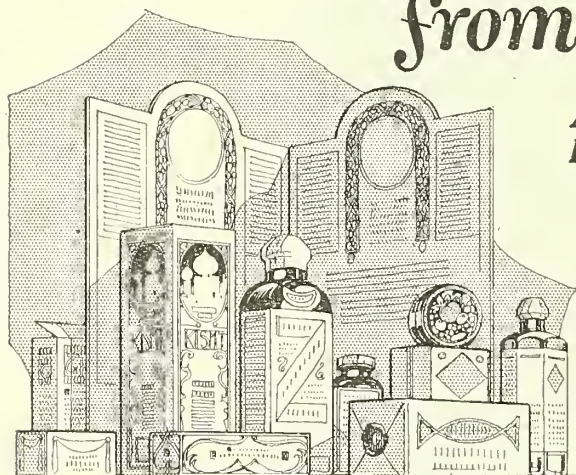
jars are suitable for a variety of
purposes, e.g., Soaps, Powder
Puffs, Combs, Brushes, etc.

Free Jar with		Per lb.
7 lbs.	Antiseptic Throat Pastilles	3/0, 2/9
7 „	Bismuth Lozenges	3/1
7 „	Bismuth Indigestion Tablets	2/0
7 „	Bismuthated Magnesia & Mint Tablets	2/9
7 „	Brompton Lozenges	1/11
28 „	Candies (Cough, Cream, Mint, Lime Fruit, Lime Juice)	10d.
16 „	Cherry Pastilles (Dr. Monroe's)	1/7
7 „	Fragrant Cachous	2/5
7 „	Formalin & Mint Tablets	2/0
7 „	Glycerine Pastilles	3/3
7 „	Glycerine & Black Currant Pastilles	3/3
16 „	Glycerine, Honey & Lemon Pastilles	1/7
7 „	Iodised Throat Tablets	2/10
16 „	Mixed Fruit Pastilles	1/7
7 „	Licorice & Menthol Pellets	4/0
7 „	Peppermints	3/0
7 „	“Pinettes”	2/0
7 „	Sore Throat Tablets	3/0
28 „	Sulphur Tablets	1/0 28-lb. lots
7 „	Sulphur & Yeast Tablets	1/2 7-lb. lots
		1/9 lb.

AYRTON, SAUNDERS & CO. LTD.
34 HANOVER STREET • LIVERPOOL



*~and the same
with our printing~we'll buy
from the specialist*



*A Chemists' Printer for Chemists'
Printing—that's the idea.*

No time is wasted in teaching Waides what we want. They know. They have had 50 years' experience in devising artistic printing for Chemists, and they are doing it better and better every year.

"Waide" Labels, Cartons, Showcards and Folders are pharmaceutically correct, as well as being tasteful and original in design.

THOMAS WAIDE & SONS LTD.
CHEMISTS' PRINTERS
DARLINGTON STREET, LEEDS.

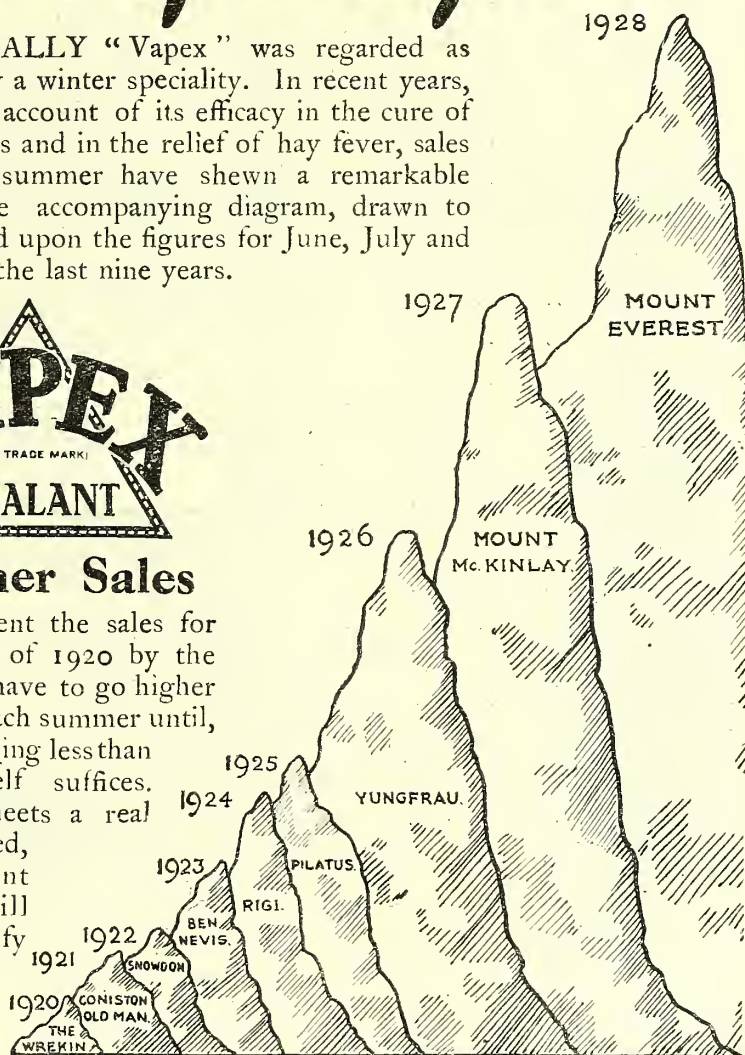
Peaks of Progress

ORIGINALLY "Vapex" was regarded as simply a winter speciality. In recent years, however, on account of its efficacy in the cure of summer colds and in the relief of hay fever, sales during the summer have shewn a remarkable increase. The accompanying diagram, drawn to scale, is based upon the figures for June, July and August, for the last nine years.



Summer Sales

If we represent the sales for the summer of 1920 by the Wrekin we have to go higher and higher each summer until, in 1928, nothing less than Everest itself suffices. "Vapex" meets a real Summer need, and frequent displays will amply justify themselves during the coming months.



To EXPORT BUYERS—All orders and enquiries should be addressed to our Sole Export Agents
Wm. ALFRED JONES Ltd., West India House, Liverpool

THOMAS KERFOOT & CO. LTD.
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1797.

D/103

COPYRIGHT

DEARBORN (1923) LTD.

37 Gray's Inn Road, London, W.C.1

Telephone: HOLBORN 9669

Toilet Specialties.

	Price per doz. to Retailer	Selling Price P.A.T.A.
PILENTA SOAP	10/-	1/-
A complexion soap.		
PROLACTUM	10/-	1/-
For the lips.		
PARSIDIUM JELLY	10/-	1/-
For wrinkles.		
ALLACITE OF ORANGE		
BLOSSOM	22/6	2/6
A dressing cream.		
BORANIUM	22/6	2/6
A hair tonic.		
CLEMINITE	22/6	2/3
For a face lotion.		
COLLIANDUM (Powder & Solide.)	22/6	2/6
For a face tint.		
PERGOL	22/6	2/6
A deodorant.		
TEKKO PASTE	22/6	2/6
Camphor cream.		
STALLAX	13/6	1/6
For a shampoo.		
JETTALINE	31/6	3/6
For clearing the skin.		
PHEMINOL	36/-	4/-
A depilatory.		
MENNALINE	36/-	4/-
For the eyelashes.		
MERCOLIZED WAX	18/-	2/-
A face cream.		
STYMOL	31/6	3/6
For oily complexions and blackheads.		
SILMERINE	22/6	2/6
Hair-curling fluid.		
BARSYDE	22/6	2/6
Dandruff eradicator.		
TAMMALITE	22/6	2/6
For grey and faded hair.		
LIQUID PERGOL	31/6	3/6
To check excessive perspiration locally.		
BICROLIUM	22/6	2/6
For whitening the hands.		
COCONOIDS	31/6	3/6
For figure development.		
SIPOLITE	18/-	2/-
A new depilatory.		

The Products of

Messrs. PARKER, BELMONT & CO.

CLYNOL BERRIES .. 36/- 4/-

For obesity.

SOFT PALERIUM .. 45/- 5/-

For wrinkles.

LIQUID NAIL POLISH .. 10/- 1/-

Brilliant and lasting.

Stocked by ALL Wholesale Houses.

FOREIGN AND COLONIAL DEPÔTS AND AGENCIES.

South Africa: LENNON, LTD., Cape Town, etc.
SIVE BROS., & KARNOVSKY, LTD., Johannesburg.
India: FRAMJEE & SON, Bombay.
A. L. CHOUDRY, Calcutta.
New Zealand: SHARLAND & CO., Auckland and Wellington.
Denmark: KARL SCHULTZ & CO., Copenhagen.
Irish Free State: MAY, ROBERTS & CO., LTD., Dublin.

NEROLI & ORANGE FLOWER PRODUCTS

Our complete range of Artificials will allow a cheap replacement in many formulas, which will become necessary owing to the advance in price of the naturals, due to the severe weather having had disastrous effects on the trees.

NEROLI SUPREME

NEROLI. K.

NEROLI. R.

NEROLI SUPERIOR

NEROLI EXTRA

NEROLI. S.

ORANGE BLOSSOMS 1244

ORANGE BLOSSOMS 1247

AURANOL FLORA (Orange blossoms novelty)

FLEURANGEOLE 1396 } New bases for
FLEURANGEOL S 1397 } Orange Blossoms.

A range of Samples and Prices on application.

CHAS. ZIMMERMANN & CO. (Chemicals), LTD.
St. Mary-at-Hill, London, E.C.3.

Tried & Proved

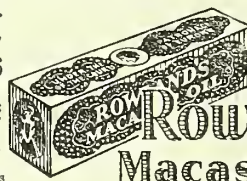
Rowland's Macassar Oil is no new preparation; it has been used all over the world for more than 136 years and everywhere it is held in the highest esteem. It is guaranteed to

P.A.T.A.

3/6, 7/-

& 10/6

Red for dark hair;
golden for fair or grey hair.
From all Wholesalers



**Rowland's
Macassar Oil**

A. ROWLAND & SONS, Ltd., 112 Guilford St., London, W.C.1

EM4T

HAIR

BURMAN

CLIPPERS

For **SURGICAL**
and **VETERINARY**
PURPOSES.

HAIRDRESSERS' CLIPPERS

The British-Made
Hair Clipper.



Dainty Shingling
Clippers for
Ladies' use.

BURMAN & Sons, Ltd., BIRMINGHAM

TOILET PREPARATIONS

UNEQUALLED FOR VALUE IN BRILLIANTINES,
DRY SHAMPOOS, LOTIONS, FACE CREAMS, Etc.

JULES FRÈRES LIME CREAM AND GLYCERINE

THE BEST LINE EVER OFFERED TO THE TRADE

CAMEO SERIES



EQUALLY SATISFACTORY
IN THE HOTTEST OR
COLDEST CLIMATE

PRICES:

3 oz. Bottles -	-	3/9	per doz.
4 oz. " -	-	4/3	"
6 oz. " -	-	5/6	"
8 oz. " -	-	6/6	"

SEND FOR
ILLUSTRATED CATALOGUE

ECINOS SERIES



JULES FRÈRES LTD.

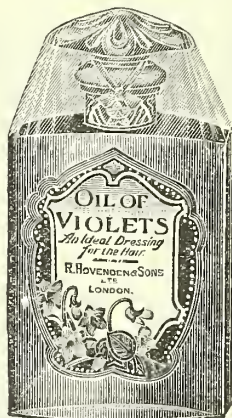
(Sole Agents: P. H. GALLOWAY, LTD.)

WALWORTH ROAD, LONDON, S.E.17

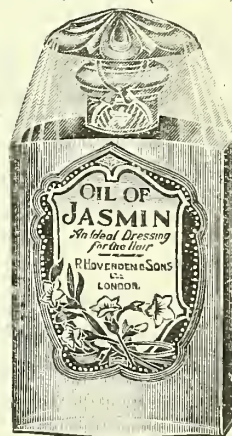
HOVENDEN'S NEW SERIES FLORAL OILS

True to Flower. Attractive Finish. Each Cellophane Wrapped.

VIOLET (Green)



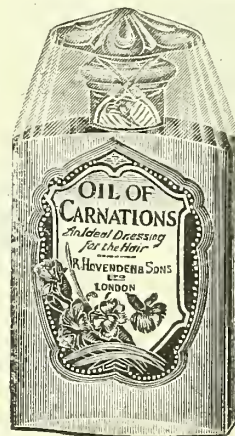
JASMIN (Yellow)



ROSE (Yellow)



CARNATION (Red)



No. 5128. About 2 ozs. (as illustrations).

NAME AND ADDRESS FREE FOR 3 Doz. **8/6** Doz.

R. HOVENDEN & SONS, LTD.

LONDON: 29-33 Berners St., W.1 and 89-95 City Rd., E.C.1

Telephone: MUSEUM 2810 (3 lines).

Telephone: CLERKENWELL 7601 (3 lines).

YOU
don't like
bothering about
with safety-razors

WASHING
CLEANING
STROPPING
TAKING TO
PIECES
AND
RE-ASSEMBLING

neither do your
customers

Wanted every day by

BLAND'S SOLUTION

THE SHAVE-TIME SAVER

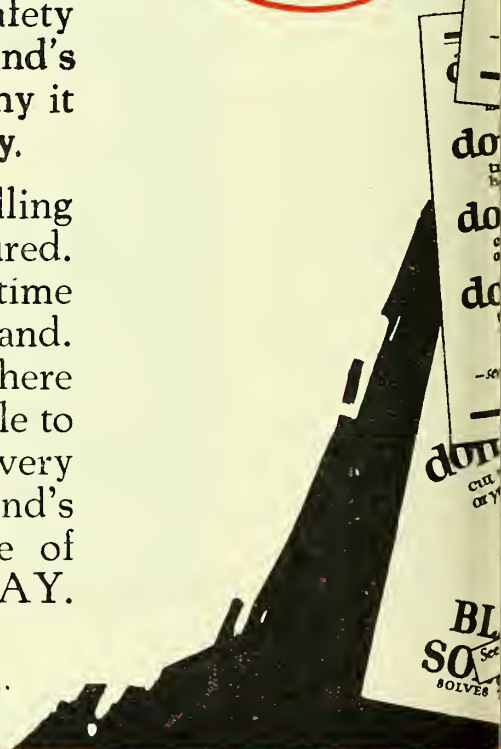
STARTING shortly is a huge advertising campaign to make known this new boon to men. The benefits of Bland's Solution are self-evident. Men hate bothering with their safety razors before and after shaving. Bland's Solution cuts out this trouble. That's why it appeals to every safety razor user instantly.

With large space national advertising, telling men of Bland's Solution, its sale is assured. Your customers will ask you for this shave-time saver. All you need do is to supply demand. Bland's Solution is NOT competitive—there is no other line of its kind. It is no trouble to handle and shows you a large profit on every sale. See that *your* customers get their Bland's Solution Outfit from *you*, and be sure of their repeat orders. Order supplies TO-DAY.

BLAND PRODUCTS LTD.,
32, Palmer Street, Westminster, London, S.W.1.

These advertisements will appear in leading national newspapers and periodicals, including

DAILY MAIL
TIMES
EVENING
STANDARD
PUNCH
Etc.



Extensive advertising

Every safety razor user

SAVE those precious morning minutes



Simply place your razor in BLAND'S SOLUTION (THE SHAVE-TIME SAVER)

—next morning every part of the razor is sterilised, clean and bright—the blade as sharp as ever

The messy, troublesome, time-wasting job of cleaning the razor after shaving is abolished.

Think of the saving in time, temper, and cost of blades! These are the **GUARANTEED** benefits, assured to all users of Bland's Solution.

The Outfit will last for years and consists of a specially designed, ornamental, and hygienic Container to hold your razor in the Solution of which an 8-oz. bottle is included.

The price for the Outfit complete is Five Shillings.

Complete 5/- outfit
All the good shops sell
Bland's solution BUT—
if you have any difficulty
fill in the coupon below

To BLAND PRODUCTS LTD.,
32, Palmer Street,
Wormington, London, S.W.1

Your safety razor cleaned sharpened sterilised all in one operation



don't dry your razor after shaving

don't try to clean, hone or strop it

don't take it apart and re-assemble it

don't dry your razor after shaving

don't try to clean, hone or strop it

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don't take it apart and re-assemble it

don't dry your razor after shaving

don't try to clean, hone or strop it

don't take it apart and re-assemble it

These are the guaranteed results of using Bland's Solution. It does all these things or you get your money back.

You can spend shaving time on shaving and cut out cleaning time in future. Place the razor, straight from shaving, into the Bland's Solution, and leave it there—that's all. Next day it is clean, sterilised, keen edged and ready for shaving.

Start saving precious morning minutes to-morrow by getting a Bland's Solution Outfit today.

Good Stores, Chemists, Cutlers and Toilet Saloons, sell the outfit—Solution, Container, etc.—or complete. Supplied direct for P.O. or cheque if your retailer does not stock it.

BLAND'S SOLUTION
THE SHAVE-TIME SAVER
COMPLETE 5/- OUTFIT



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THE SHAVE-TIME SAVER
COMPLETE 5/- OUTFIT

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THE SHAVE-TIME SAVER
COMPLETE 5/- OUTFIT

BLAND'S SOLUTION
THE SHAVE-TIME SAVER
COMPLETE 5/- OUTFIT

Why should you bother?



BLAND'S SOLUTION
THE SHAVE-TIME SAVER
COMPLETE 5/- OUTFIT

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THE SHAVE-TIME SAVER
COMPLETE 5/- OUTFIT

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BLAND'S SOLUTION
THE SHAVE-TIME SAVER
COMPLETE 5/- OUTFIT

BLAND'S SOLUTION
THE SHAVE-TIME SAVER
COMPLETE 5/- OUTFIT

Don't tell of its arrival!

A new, non-competitive handsomely profitable line- *advertising will create a huge demand -the benefits of Bland's Solution will assure continuous sales*

Why not send for an Outfit for your own use? You will then appreciate why we ask you to sell under our unconditional

GUARANTEE
of the merits claimed for
BLAND'S SOLUTION

Retail price of Complete Outfit

5/-



*INCREASED ADVERTISING MEANS
INCREASED SALES FOR YOU*

THE EXPENDITURE ON THE SUMMER
CAMPAIGN FOR

H I N D S
HONEY AND ALMOND
C R E A M

HAS BEEN GREATLY INCREASED

Prepare NOW to meet the extra demands which
will be made on your stock as a result of this
summer appeal.

*A postcard will bring details of the new
generous Window Display Terms.*

A. S. HINDS Ltd.

LONDON, S.W.20

ESSENCES & SYNTHETICS LTD.

WILLIAM C. SLATER, Managing Director.

4. CARLISLE AVENUE, FENCHURCH STREET, LONDON, E.C.3

Royal 0290.

Essynthet—Ald—London

A few of our latest Creations :—

AMBREINE

A sweet Oriental perfume with a delightfully delicate floral nuance.

LILY-OF-THE-VALLEY

True to Nature; even in its last traces on evaporation.

VICTORIA VIOLET

A very successful composition; a necessity to the creative perfumer.

PARMA VIOLET

A standard Violet; indispensable in the absence of the natural flower oil.

WALLFLOWER

A beautiful reproduction of the Old English Wallflower.

ROSE

An excellent substitute for Bulgarian Otto.

JASMIN

A composition giving the pungency as well as the ever-popular floralcy of Jasmin flowers.



Of the highest possible concentration, and hence very economical in use; perfectly soluble; do not discolour. Suitable for handkerchiefs, perfumes, face powders, vanishing creams, brilliantines, toilet waters, bath salts, soaps.

Samples cheerfully sent by return of post.

Sunshine

Remedies

including the now famous

ANTI-ACID TABLETS "TOXINICON"

for Rheumatic diseases

GOLDEN-RAY

SHAVING SOAP

the only soap with an Antiseptic Vaseline centre.

SOLEIL D'OR PERFUME AND TOILET PREPARATIONS

WRITE FOR DESCRIPTIVE BOOKLET

Sunshine Remedies Ltd.

8 West Halkin Street, S.W.1

Telephone: Sloane 4133.

LONDON CHEMISTS ARE INVITED TO SEND THEIR "SUNRAY" PATIENTS TO OUR PRIVATE ROOMS. TRAINED STAFF IN ATTENDANCE.

Write for particulars



SHADEINE

For COLOURING GREY HAIR

This popular article is largely advertised and stocked by all Wholesale Houses.
Trial size 8d. per doz. 6/-
1/4 size, per doz. 12/-
2/6 size, per doz. 24/-
3/9 size, per doz. 36/-

The SHADEINE CO., 58 Westbourne Grove, London, W.2.

PERM BROW

The Waterproof Liquid

To Beautify your Eyes

Every bottle gives you PROFIT 1/3

and repeats always follow - - - -

Perm Brow, the new perfectly harmless liquid eyebrow beautifier blackens eyebrows and lashes to an alluring darkness and being waterproof it stays on. Its unique qualities have induced recommendation and repeat orders from almost every user. Get a stock to-day, and give it a display—profits will come easily.

Obtainable from all Wholesale Houses or direct from—

MIRUS LTD.,
West End Sales Office:
53a Maddox St.,
W.1



Wholesale

Retail

18/-

2/9

per doz.

per bottle.

FREE

with all orders for 1 gross Vinolia Premier Soap toilet size, this very effective window or counter card, containing six 1/- Vinolia Shaving Sticks.



FREE

Millions of people will see the new poster reproduced on this card. This Free offer will bring *your* window into line with Vinolia advertising and help you to sell more. You get this card and six 1/- Vinolia Shaving Sticks Free, in return for a display, by ordering 1 gross toilet tablets Vinolia Premier Soap, 12 tablet boxes, 57/6 per gross tabs., less 10 and 2½% in free case, carriage paid, when your order is up to £4 nett.

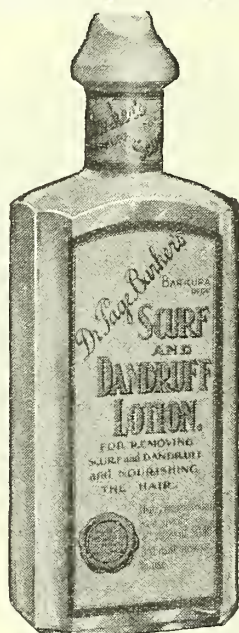
VINOLIA

PREMIER SOAP

VINOLIA

SHAVING SOAP

The Most refreshing soaps in the world



With every order for 3 dozen you get three 2/6 bottles as bonus, handsome metal showstand, and attractive showcards.

Dr. Page-Barker's Scurf & Dandruff LOTION

The recognised
specific for scurf

EVERY bottle of Dr. Page-Barker's Scurf Lotion bears a positive guarantee that it will eradicate scurf or the purchase price will be refunded. This makes it the easiest to sell of all hair and scalp specifics. And the profit is handsome.

2/6

P.A.T.A.

PER 18/- DOZEN

SMART SHOWCARDS with EVERY DOZEN

THOS. CHRISTY & CO., 4-12 OLD SWAN LANE, LONDON, E.C.4

A well-kept hand is the hall mark of refinement !

WILL YOU ACCEPT **6/-** EXTRA PROFIT ?
(CASH WITH ORDER ONLY)

"Veldt Cream" the unequalled preparation
which does whiten hands and arms, is now packed in
3d. Tubes (1/20z.) 3 dozen in Show Box

LINK UP WITH OUR NATIONAL ADVERTISING BY DISPLAYING PROMINENTLY
IT SELLS ! IT SELLS !! IT SELLS ALL THE YEAR ROUND !!!

We look upon this 3d. tube as a form of sampling, yet bringing you profit. Send us a P. O. or check for 27/- for one gross and we send you

ABSOLUTELY FREE 1/2 doz. 1/- size (3 oz. bottles)
in handsome container for counter. This is a permanent offer and a form of supplementary advertising. Show matter included carriage paid, or try one 3 doz. show box from your usual patent house.

Sole Manufacturers :

The "Veldt" Laboratory.

Louth,
England

The World's leading Beauty Experts recommend PALMOLIVE SOAP

—in the biggest advertising campaign ever put behind a toilet soap.

THIS big nation-wide campaign is planned to send new customers to you. We are spending this money so that you can sell more and more Palmolive Soap. And remember—Palmolive gives you a larger profit than any other toilet soap on the market.

We ask for your co-operation—so that you will reap the benefit of this unprecedented sales-push. Every tablet of Palmolive sold *must* pass over a retailer's counter—yours or someone else's.

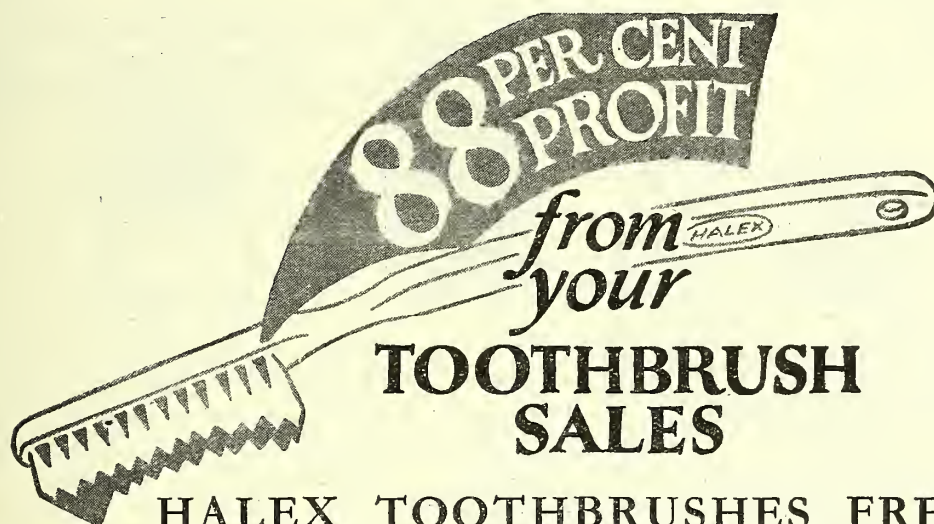
To link up with our advertising, we have prepared some special Window and Counter Display material—gladly sent to you free on request.

The total number of impressions of Palmolive advertisements will reach the amazing figure of 145,734,340. This means that every family in the British Isles will have seen a Palmolive advertisement at least 10 times during the first 3 months of this nation-wide campaign.

Show Palmolive in your Window—on your counter. The advertising will do the rest for you.



PALMOLIVE



HALEX TOOTHBRUSHES FREE FOR THIS MONTH ONLY

THE Halex Bonus Plan gives you 8/3d. more profit on every order for 3-dozen Halex Toothbrushes you send in before May 31st.

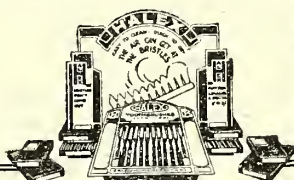
For an outlay of 30/9d. you get 42 Halex Brushes, instead of the usual 36. Six FREE brushes—which sell for 8/3d., making a profit on the parcel of 27/- instead of 18/9d.—or a total profit on cost of 88%!

Orders for less than 3-dozen brushes do not qualify for a bonus, *but*—there is no limit to the number of brushes you can obtain, for future use, on these bonus terms, if you order *now*. There is only one condition we make—and that is—that you show the Halex Window Display in your window, or on your counter, for a fortnight, commencing not later than May 31st.

FOR QUICKER SALES—

AND BIGGER PROFITS

THE HALEX WINDOW DISPLAY is supplied—FREE—with all initial orders for 3-dozen or more Halex Toothbrushes. 17" wide by 17" high—neat, compact, yet highly effective—it is designed to help you sell more Halex at a time when you make 44% more profit on every Halex brush you sell.



SEND IN THIS ORDER FORM TO-DAY
ORDER FORM.

To your usual Wholesaler:—

Please supply me with (a) dozen Halex Toothbrushes, together with the free Display Material and Bonus Brushes, in consideration of my exhibiting the Halex Window Display for a fortnight, commencing not later than May 31st.
(b) The Halex Showcase (if required, the Halex Showcase is included FREE, in addition to the Halex Window Display, with first orders on bonus terms for a minimum of 4 dozen Halex Brushes).

Name

Address

THE BRITISH XYLONITE CO., LTD. HALE END, LONDON, E 4



ROBINSON'S *of*
CHESTERFIELD
for
CARDBOARD
BOXES

ROUND · OVAL · SQUARE · FOLDING

ROBINSON & SONS LTD.
CHESTERFIELD & LONDON



BEADED BOXES

The boxes illustrated above are finding increasing favour amongst chemists. They are dust-proof and air-tight and of a very attractive appearance. Fitted with a flanged metal lid which is easily lifted out they form a very useful container.

Blank panel on reverse side for printing in
Customer's name and address.

ROBINSON & SONS, Ltd.

Manufacturers of ROUND, OVAL, SQUARE AND FOLDING
CARDBOARD BOXES.

CHESTERFIELD

3 SPECIAL OFFERS TO OUR CUSTOMERS

GILLETTE BLADES

1 box lots	..	..	27/9 per box
10 "	..	..	27/3 "
50 " (or more)	..	..	26/10 "

A BONUS OFFER OF

2 5/- Razors with every 5 boxes ordered.
 1/2 box of Blades with every 10 boxes ordered.
 1 " " " " 20 " "

VALET BLADES

1 box lots. **.36/-** per box with 24 tubes Shaving Cream **FREE**
3 " **.34 3** " 72 " " **FREE**

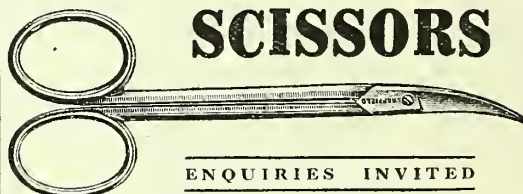
Valet Razors & Cream

With every combined order of :

2 doz. 99 Razors at 2/6, less 25%. } Two No. 55, 7/6
2 doz. Shaving Cream at 1/-, less 30%. } Razors, given Free

A. FRANKS & CO.

11 Bartlett's Buildings, LONDON, E.C.4
CENTRAL 3640.



SCISSORS

ENQUIRIES INVITED

GILL, HERBERT & CO., Ltd.

CUTLERY MANUFACTURERS.

Wheeldon Street, SHEFFIELD



QUALITY
then **PRICE**

are the

FACTORS
that Count.

"FLEET" QUALITY is Sheffield's Finest.
Every Edge Triple-Tested and Guaranteed.

"FLEET" PRICE is 7½d. for 3 Blades
and shows you handsome Profit.

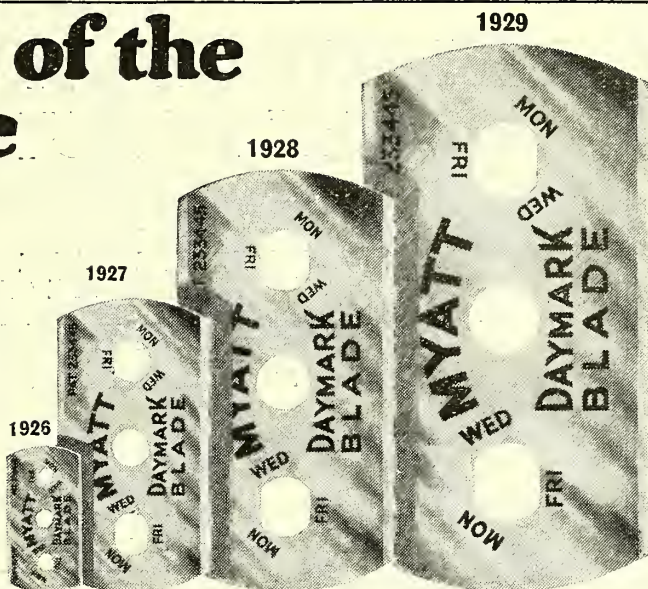
Write for Sample Blade and Profit Leaflet to:
DOMINION STEEL CORPORATION, LTD.,
"Fleet" Works, Queen's Road, SHEFFIELD.

The Growth of the Myatt Blade

and the growth of Myatt trade

The popularity of the Myatt Daymark Blade has increased at an amazing rate. Year by year the sales leap ahead. Today these British blades occupy a proud place in every up-to-date display of razor blades—because it pays to show them.

Diagram showing sales during First Quarter each year



1/3 for 5
2/6 for 10
less 33 1/3%
showing a profit of
50%
ON COST

Ask your Wholesaler for Myatt PATENT DAYMARK Blades and share their success

Sole Manufacturers: W. J. Myatt & Co. Ltd., Contractors to H.M. Govt., Argent Works, Birmingham



A
**KEEN
BLADE
AT A
KEEN
PRICE**

The Blade that SELLS as it SHAVES—
"LIKE GREASED LIGHTNING!"

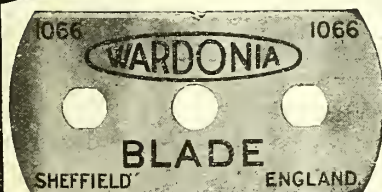
Obtainable from all Leading Wholesalers.

Dept. C.D. "Wanie" Distributors:
c/o ROEBUCK'S ADVERTISING SERVICE
Salisbury Square House, Salisbury Sq., Fleet St., London, E.C.4

50% PROFIT!

RETAILS

**3d. each
4 for 1/-**



**ORDER
NOW!**

THOMAS WARD & SONS LTD • SHEFFIELD

CELLOPHANE

The ideal **transparent** wrapping **absolutely** harmless, air and grease proof, as used by all the leading Perfumers, Soap Manufacturers, etc., etc., for wrapping Soaps, Drugs, Tablets, Bath Crystals, Perfumery, Surgical Dressings, Sponges, Puffs, Soothers, Tooth Brushes and all Articles of Toilet.

Cellophane can be had in sheets, all-sizes and colours; also in the shape of **Bags, Discs, Envelopes** printed or not, allowing the contents to be seen by transparency.

Cellophane wrapped goods look better—keep better—sell better.

Cellophane **protects, beautifies, and adds** the quality touch.

Prices, Samples and Particulars from

The CELLOPHANE COMPANY LTD.
7, 8 and 9 Bird Street, LONDON, W.1

Also 305-7 PRODUCE EXCHANGE, MANCHESTER.
35 MILLER STREET, GLASGOW.

*De
Luxe*

ART. SILK Bandages & Binders

WASHABLE and DOUBLE STRETCH

Made of High-Class Artificial Silk, Wool and Cotton

SORT UP YOUR STOCKS FOR THE COMING SEASON.

"Crêhsyl"

(WOVEN CRÊPE)

Dainty and ideal for understocking wear.

AND

"Silwick"

(WOVEN STOCKINETTE)

Ideal and essential for varicose veins.

*Both materials in
cream and flesh and
at same prices.*

BANDAGE widths from 2 inch to 4 inch. Prices from 2/- to 4/- each

BINDER widths from 4 inch to 15 inch. Prices 4/- to 15/- each

(All binders reinforced to prevent sagging)

ENQUIRIES AND SAMPLE CUTTINGS FROM THE MAKERS

H. W. LAKE Ltd., 6 & 7 C.D. Redcross St., London, E.C.1

SUPPLIES FROM USUAL WHOLESALERS

*Just
one writing*

**No Complicated
Book-Keeping**

**No Errors
No Forgotten
Charges**

**McCASKEY
CREDIT SYSTEMS**

With the Surety Carbon Coated Pads

Send the coupon for details of the McCaskey "One Writing" System — time and labour-saving system. Will increase your profits and build up your customers' confidence.

Name.....

Address.....

Please send particulars of McCaskey System.

To The McCaskey Register Co., Watford, Herts.

C. & D. 11-5-29

**WE SOLVE YOUR
ADVERTISING
PROBLEMS**

**"MERRITT"
PUT INTO
YOUR ADVERTISING**

Our Clients include
many leading firms
in the Drug Trade.

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**MERRITT
ADVERTISING SERVICE LTD.**

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LONDON, S.W.1.

STOCK IT! DISPLAY IT! USE IT FOR YOUR D & P!



*Visit our stand during
the Chemists' Exhibi-
tion, June 17-21, at
the New Hall of the
Royal Horticultural
Society, Westminster.*

The World's Supreme Gaslight Paper

Slogas is one of the best lines you can stock for the amateur photographer. It is advertised all the year round, so display it and gain your full share of the demand thus created. Use Slogas in your D & P department too. It is very economical and brings the best out of every grade of negative, giving prints with an added sparkle.

THOMAS ILLINGWORTH & CO., LTD., PARK ROYAL, WILLESDEN JUNCTION, LONDON.

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Your Opportunity to

QUALIFY IN OPTICS

PRACTICAL WORK. Students taking the course may receive personal tuition in the practical work AT ANY TIME DURING THE COURSE.

Expert Tuition for the SIGHT-TESTING DIPLOMAS of the Worshipful Company of Spectacle Makers (F.S.M.C.); the British Optical Association (F.B.O.A.); the National Association of Opticians (F.N.A.O.); or the College of Optics (F.C.O.).

Write for full particulars—

G.A. SCURR, M.P.S., F.S.M.C., F.B.O.A., F.N.A.O., B.Sc., F.I.O., F.C.O.
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B.A. Representative: E. E. G. WOOLLEY, F.S.M.C., M.P.S., P.O. Box 1963,
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IN 1879 a Retail Merchant of Dayton, Ohio, worried by increasing losses in his business, invented a machine to check the carelessness and inaccuracy of his assistants.


The machine was a crude affair but it increased his profits. The information it rendered was limited, but it was at least accurate.

From this beginning, fifty years ago, was born the National Cash Register. Since then millions of these business-benefiting machines have been built.

Wherever Records are kept and Money Handled

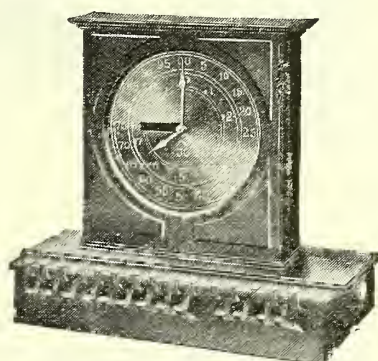
National Cash Registers are necessary to prevent losses from carelessness, indifference and temptation. They give quicker and better service to customers; they furnish information that is essential to the proper control and building of a business; they save time, expense and labour; they are the most valuable business aid ever invented for the benefit of the retail shopkeeper. And they pay for themselves over and over again.

**A "National" means
Greater Net Profit
and Quicker Progress
for any business large or small.**

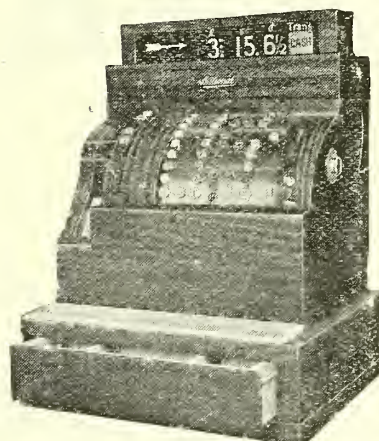
Post a card or this coupon 
for coloured illustrations and
descriptions of the 1929 models.

**The National Cash Register Company, Ltd,
225 Tottenham Court Road, London, W.1.**

Branch Offices in all large towns.



The Cash Register of 1879



A National Cash Register
of 1929

The
N.C.R. Co. Ltd.,
225
Tottenham Ct. Rd.
London, W.1

Please send me free
descriptions and illustra-
tions of your latest models.

Name

Address.....

C. & D.



Where brilliant
& plentiful light
without glare is
wanted, use
"Cosmos" Pearl
Lamps.

Ask your
Supplier for
them by name
—they are
made by
MET-VICK

METRO-VICK SUPPLIES (Proprietors: Associated
Electrical Industries, Ltd.)
Metro-Vick Hse., 155 Charing Cross Rd., London, W.C.2



**WITH THE
LARGEST
SALE
IN THE
WORLD
IS**

*Recommended Trial Parcel for Phar-
macists who have not yet taken up a
complete range of Bob Martin dog
preparations.*

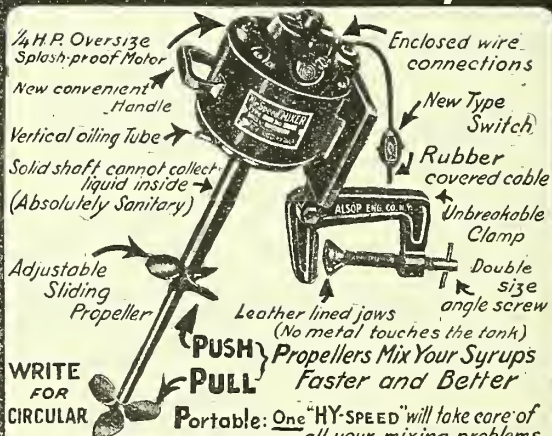
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BOB MARTIN'S		
Condition Powders ... 2 doz.		
6d. pkts. mixed strengths @ 3/9		7 6
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'92 Ointment 1/2 doz. 1/- tins @ 9/-		4 6
		£1 8 1

The retail price is £2 2 0

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ASTES CONDITION POWDERS

BOB MARTIN LIMITED, SOUTHPORT, LANCS.

HY-SPEED MIXERS
with "PUSH-PULL" Propellers



OUR EXPERIENCE IN MANUFACTURING OVER 30,000
LIQUID HANDLING AND MIXING DEVICES, ENABLES US TO
OFFER THE FINEST BUILT MACHINES AT THE LOWEST
POSSIBLE PRICES
SEND US SIZE OF YOUR TANKS AND TYPE OF ELECTRICITY
ON LIGHTING CIRCUIT FOR LATEST QUOTATION.

BUTLER'S
(LONDON) LTD

Butler House, 62 & 63 Minorities, London, E.1.
Grams and Cables: "Stralia, London." 'Phones: Royal 8005 & 8006.

Insulin (BOOTS)

Insulin (Boots) is prepared in the Nottingham Laboratories of Boots Pure Drug Company, Ltd., under Licence No. 19 (Therapeutic Substances Act, 1925) of the Ministry of Health.

It is made from selected ox pancreas which is subject to the strictest examination before use.

The bulk Insulin is first tested for potency and sterility in the Company's own Pharmacological and Bacteriological Laboratories. It is filled into ampoules and again tested for potency and sterility. Every batch of Insulin (Boots) is submitted for further testing to the British Medical Research Council, and is passed by the Council before issue.

Insulin (Boots) is tested against the International Standard Insulin, in accordance with the provisions of the Therapeutic Substances Act.

PRICE REDUCTION

20 UNITS, PER C.C.

5 c.c. rubber-capped vials $1\frac{1}{8}$ each

10 c.c. rubber-capped vials $3\frac{1}{4}$ each

Double Strength

40 UNITS, PER C.C.

5 c.c. rubber-capped vials $3\frac{1}{4}$ each

10 c.c. rubber-capped vials $6\frac{1}{8}$ each

SUBJECT TO USUAL DISCOUNT.

Address all enquiries to:

**WHOLESALE & EXPORT DEPT.
BOOTS PURE DRUG
COMPANY, LIMITED**

Manufacturing Chemists and Makers of Fine Chemicals
NOTTINGHAM · ENGLAND

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Telegrams: "Drug," Nottingham



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130 years' reputation for purity and excellence.
Pharmaceutical preparations, Drugs and Chemicals of high quality.
Packed Goods of elegant finish and Choice of many styles.
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GUMS, ARABIC and TRAGACANTH as Imported or
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All orders received by the mid-day post for Developing,
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Local Collection and Delivery, CITY.

Posters, Specimens, Labels, Duplicating Order Books, FREE.

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GREY HAIRS

← appear just here.

TOUCH THEM UP WITH

TATCHO-TONE

and they will instantly recover their
natural shade. Medical Guaranty with
each bottle. Chemists' Prices 2/6 and 4/6

TATCHO-TONE CO., 5 Great Queen Street, London, W.C.2

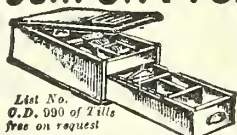


BONCILLA

Cream offer i.e., 1 dozen each 1/3 jars Cold
Cream and Vanishing Cream at 11/- dozen
with bonus 2 dozen 6d. Test Sets is open
for while longer. Send order to:—

J. C. GAMBLE & Co., Ltd., 215 Blackfriars Road, S.E.1

SENT ON 14 DAYS APPROVAL



upon receipt of cash or two wholesale trade
references. "LITTLE BRILLIANT" TILL
Improved 16 x 8 1/2 x 6 ins.
mahogany, highly polished, lock
to lid and drawer, warning bell,
secret catch and check action.

32/-

Calls 2 1/2 ins. wide 4 1/2 doz.

DUDLEY & COMPANY, LTD.

558-576, Holloway Road, London, N.7.

List No.
G.P. 999 of Tills
free on request

From the usual
Wholesalers or
direct—
**HOBSON,
TRIMBLE
& CO. LTD.**
11 Union St.,
LEEDS.

FARMER'S "BAITED" PASTE

WATCH the "DAILY EXPRESS" back page,
commencing MAY 15. Kindly look to Stocks,
from usual SUNDRY HOUSES.

F. FARMER & CO., 1a College Lane, Homerton, E.9



Ask for "PAZO"

PILL BOXES

The most convenient and
secure Pill Box obtainable.

NO LOOSE BOTTOMS

Samples and Prices on application.

The "PAZO" CO., Oldbury

FOR CHEMISTS' FITTINGS

Go to:—R. TOMLINSON & SONS,
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CHEMISTS' FITTINGS

OF EVERY DESCRIPTION.

NEW AND SECONDHAND.

E. BERG, LTD., 336 Old Street, E.C.1

KARL HÖLL A.-G.

Langenfeld, near Cologne, Germany

EXPORT TO ENGLAND SINCE 1884.

Manufacturers of:—

TUBES of all kinds,
plain and decorated.

SPRINKLER TOPS of
all sizes and styles.

IMPORTANT: When asking
for quotations send samples already used and
state quantities required. Goods will arrive
in 3-4 days with direct steamer from Cologne.



CHEMISTS' SHOP FITTINGS

First-class Material and Workmanship.

Also **SECOND-HAND FITTINGS**—varied range.

RUDDUCK & CO. 219 OLD ST., LONDON, E.C.1



YOUR
Customers
with
Artificial
Dentures
Will Readily
BUY IT.

THOS. CHRISTY & CO., 4 12 Old Swan Lane, London, E.C.4



THE BIG 3

These well-known preparations, of guaranteed purity, are the best of their kind. Keep busy during the coming months by having ample stocks ready from your usual Wholesaler or direct from the manufacturers.

PRICES

Potter's Vitalising

1. FRUIT SALINE

8 oz. bottles (retail 1/9) 13/- dozen
4 oz. bottles (retail 1/3) 8/6 dozen

Attractive show matter with all orders.

All the Year Round

2. HEALTH SALT

4 oz. tins ... 4/9 dozen
Gross lots ... 4/3 dozen
1/- Bottles (4 oz.) ... 7/6 dozen
1/6 Bottles (8 oz.) ... 12/- dozen

Clarke's

3. LIVER SALTS

4 oz. tins ... 8/- dozen
3 Dozen lots ... 4/9 dozen
1 Gross lots ... 4/6 dozen

Handsome Showcard with all orders

**POTTER &
CLARKE Ltd.**
Drug Merchants--Manufacturing Chemists
60, 62, 64, ARTILLERY LANE--LONDON, E.C.1.
Phone: Bishopsgate 4761-5 lines. Grams: Horehound, phone London (2 words)
and 24, LUNA ST. ST. ANCOATS ST. MANCHESTER
Phone: Manchester City - 6048.
Grams: Horehound, Manchester.

Display fittings that assist sales

HS 2200 This attractive All - Glass UNIT

Comprises: 2 each
4, 8 and 10 in., and
1 each 6 and 12 in.
Glass Pedestals; 2
each 8 x 4 in., 9 x
5 in. and 10 x 6 in.,
1 each 11 x 5 in.
and 12 x 8 in.
Plate Glass Oval
Shelves

20/-

HS 4016 (Centre Illustration)
3 ft. high, Ticket Clip Top, Each 42/-
six 8 in. Circles.
B.B. Nickel Plated plus 5%

Branches:
GLASGOW
MANCHESTER
DUBLIN

Haskins

SHOPFRONTS AND FITTINGS

SAML. HASKINS & BROS., LTD.
WALTHAMSTOW, LONDON, E.17

HS 2201 This All - Glass UNIT

Comprises: 2 each
4, 8 and 10 in., 1
each 6 and 12 in.
Glass Pedestals; 2
each 10 x 5 in., 10
x 6 in. and 10 x
7 in. Plate Glass
Shelves; 1 each 12
x 6 in. and 12 x 8
in. Plate Glass
Shelves

21/-

*Send for Illustrated Catalogue.
Special designs made to
Customers' own requirements.*

Display Dept.
OLD STREET
LONDON, E.C.1

S.D. 20 21

Eureka WEED KILLER LAWN SAND WORM KILLER

have over 30 years' reputation.

SALES THROUGH AGENTS—NOT DIRECT.

Write :—TOMLINSON & HAYWARD, Ltd.
51 NEWLAND, LINCOLN.

NURSE HARVEY'S MIXTURE

A safe, simple and reliable remedy for Children's Ailments is advertised so extensively in the daily and weekly Press as to bring mothers to the retailer without effort on his part.

The selling has been done before the mother reaches the chemist, and, having supplied her, it is only common sense to claim she will buy other family necessities from him. Moreover, the continuous demand for it produces a quick turnover.

For Direct Terms apply to—

OSCAR SCRUTON & CO., YORK

BATTLES SHEEP DIPS

Specially packed for the Chemists' Trade.

POWDER, PASTE & LIQUIDS (Poisonous and Non-Poisonous), WEED KILLERS, WORM KILLERS, LAWN SAND, DISINFECTANTS, SUPERFINE LYSOL.

Let us quote you for your requirements.

BATTLE, HAYWARD & BOWER, Victoria Chemical Works, LINCOLN.

Further Reduction in Price

'WELLCOME' INSULIN

Trade Mark

Brand

While retaining its exceptionally high standard of quality, 'WELLCOME' BRAND INSULIN is further reduced in price.

Rubber-capped amber-glass phials of 100 units in 5 c.c., at **2s.** each and 200 units in 5 c.c., at **4s.** each. Rubber-capped bottles of 200 units in 10 c.c., at **4s.** each (subject).

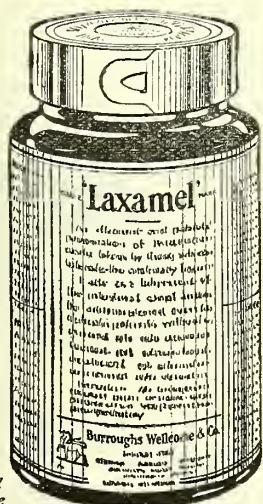


BURROUGHS WELLCOME & CO.
LONDON

G 1458

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A Laxative that is Palatable



Reduced
facsimile

TRADE 'LAXAMEL' MARK

'LAXAMEL' is appetising. It is a jelly-like confection inviting in appearance. Containing 80% of 'Paroleine,' it is also efficient. That is why customers, once introduced, become permanent users.

Issued in large glass jars, at **21/9**
per dozen (subject)



BURROUGHS WELLCOME & CO.
LONDON

G 1460

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Ucal Health Salt

in spite of heavy competition from advertised brands, sales continue to show large increase.

Proof that Quality Pays—

A good Saline, PROFITABLE, and packed in airtight tins and handsome 1-doz. Display Outers

8½d. <small>size</small>	5/6 <small>doz.</small>	1/4 <small>size</small>	10/- <small>doz.</small>
1 gross 60/-	2 gross 54/-	3 doz. 9/6	

PLENTIFUL SHOW MATERIAL.

Specify on your order—free supply 2 colour handbills.

United Chemists' Association, Limited

Cheltenham. ('Phone 3021)

and 4 and 6 KEITH GROVE, LONDON, W.12

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THE CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official organ of the Pharmaceutical Society of Ireland, the Chemists' and Druggists' Society of Ireland, and of other Chemists Societies in the Overseas Dominions.

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Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Sunday, May 12

London Chemists' Golfing Society, Farnham Golf Club, near Guildford. Competitions for the Burgoyne cup and Leichner & Co.'s prize.

Tuesday, May 14

Glasgow Pharmacy Club, Ladies' Golf Section. First round for Guest trophy.

Wednesday, May 15

Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, London, W.C., at 12 noon. Annual meeting.

Scottish Chemists' Golfing Society, Gleneagles course. Annual outing.

Royal Society of Arts, John Street, London, W.C.2, at 8 p.m. Mr. Robert Burrell on "Reform of the British Patent System."

English and Welsh News

The Editor will be obliged if subscribers will send him marked copies of newspapers containing items of interest for insertion in this or other news sections.

Fairchild Scholarship and Prizes

The examination for the popular Fairchild scholarship and prizes will be held on Thursday, June 20, in London, Manchester, Cardiff, Dublin and Belfast. The value of the scholarship is £60, and there is a prize of £5 for the best candidate in England, Wales, Scotland and Ireland. Third-class fare is allowed to candidates who have to travel to the appropriate centre. The subjects are chemistry, physics, and botany of the Preliminary Scientific standard, and such elements of pharmacy, dispensing, business knowledge and poisons law as may be acquired during apprenticeship. The scholarship is tenable at any school of pharmacy recognised by the respective Pharmaceutical Societies. It is presented by Fairchild Brothers & Foster. The last day of entry is June 1, and the forms are now ready. Application should be made to Mr. Herbert Skinner, Albert Chambers, 65 Holborn Viaduct, London, E.C.1, secretary to the trustees.

Analyst's Report

The annual report of Mr. G. D. Elsdon, county analyst for Lancashire, mentions that a local authority submitted two samples of eye lotion and one specimen tube in connection with certain alarming symptoms which had followed the use of eye drops in the eyes of several children. One lotion was supposed to contain 1 per cent. of atropine sulphate, and on examination it was found to have the correct composition. The second lotion was supposed to contain homatropine hydrobromide, but on examination it was found to contain 2.7 per cent. of hyoscine hydrobromide. The specimen tube should have contained homatropine hydrobromide, and this was found to be correct. A sample of "magnesia" was found on analysis to consist of magnesium carbonate. There is some evidence that the term "magnesia" is popularly applied to the carbonate. Under these circumstances this sample was passed as genuine, but a state of affairs in which either of two substances may be supplied under the same name is obviously most undesirable, and some definite official ruling is required. An informal sample was submitted as ammoniated quinine tablets. They consisted of red-coated flat tablets, and were contained in a package the label of which stated that "Each tablet equal in strength to one teaspoonful of the tincture." On examination, each tablet was found to contain the equivalent of 0.0015 gram of ammonia and 0.028 gram of quinine sulphate of the British Pharmacopœia, whereas one teaspoonful of the tincture of ammoniated quinine contains the equivalent of 0.0355 gram of ammonia and 0.071 gram of B.P. quinine sulphate. There were, therefore, a deficiency of 90 per cent. of ammonia and 60 per cent. of quinine sulphate. A subsequent formal sample was found to be of similar composition. A prosecution was instituted, and the vendor was fined.

Inquests

At a recent inquest at Yarmouth on the body of a lady who had died suddenly, it was stated she had sent to a chemist for a bottle of medicine shortly before her death. This bottle was found in the house without the name of the patient on the label, and the coroner thereupon adjourned the inquest in order that the rest of the medicine might be analysed. The inquest was resumed on May 4, when the analyst's certificate stated that the medicine had been correctly dispensed according to the prescription supplied. The coroner said that no blame whatever attached to the chemist, and he was satisfied the old lady died from natural causes; but it was necessary in the circumstances to have the medicine analysed. Mr. C. J. Wiltshire, who appeared for Mr. T. Young, chemist and druggist, High Street, Gorleston, said he was glad to hear the coroner state there was no reflection upon the chemist.

The Croydon coroner resumed, on May 6, an inquest on the body of Mrs. Sidney, which had been exhumed (*C. & D.*, April 27, p. 494). Dr. J. H. Ryffel, Home Office analyst, said that he received weed-killer and other

articles. The witness produced a statement showing the proportion of arsenic in the various organs. Dr. Ryffel produced a medicine bottle and said that this bottle, containing metatone and solid weed-killer, was mixed about forty-eight hours previously. The proportion of solid weed-killer was very high. The appearance was not as when it was mixed—the colour of the metatone, which is somewhat red, had changed to brown. Mr. Whittingstall referred to Dr. Ryffel's previous evidence, and the witness agreed that if Mrs. Sidney had taken the exact dose from her medicine bottle there must have been two and a quarter teaspoonfuls containing 9 gr. of arsenic before she took the dose. To get 9 gr. of arsenic 14 gr. of Eureka weed-killer would be wanted. An experiment was then made in court. Dr. Ryffel was asked to measure two and a quarter teaspoonfuls of metatone and 14 gr. of weed-killer. Presently a bottle full of a brown liquid was exhibited. Dr. R. M. Brontë, pathologist, said that chronic arsenical poisoning could have caused the changes that he found in Mrs. Sidney's organs. "In my opinion the cause of death was acute arsenical poisoning," he added. The inquest was again adjourned.

Birmingham

Measles is very prevalent amongst Birmingham children, the new cases for a single week being 377, with seven deaths.

Mr. E. Alcock, a member of the Birmingham Field Naturalists' Club, has successfully staged the "Spring Flowers" of the Birmingham Museum and Art Gallery Exhibition.

Liverpool

The many friends of Mr. A. W. Ashcroft, 112 Aigburth Road, an ex-president of the Liverpool Association, will be pleased to hear of the recovery of his only son, Dr. Ashcroft, from a severe illness and a long stay in the Royal Infirmary.

Improvements are being carried out in Lord Street and Church Street which will make these thoroughfares two of the finest shopping centres in the provinces. The new display window at Boots', Lord Street, has added to the attractiveness of this shop.

Sheffield

There are a number of excellent displays of Coty preparations in local pharmacies.

The payment of £3,031 9s. 10d. for Insurance dispensing during the month creates a record.

Several chemists report increased sales since the recent demonstration by the Rolls Razor, Ltd.

Mr. J. E. Morris, chemist and druggist, has given up his business at Hatfield House Lane, Firth Park, and has opened a new shop at 76 Furnace Lane, Woodhouse Mill, Sheffield.

The Sheffield Chemists' football team have done very well for their first season in Thursday League Football. Out of twenty-eight games played, seventeen have been won and six drawn, and nearly a century of goals scored, of which Mr. A. Garner, Handsworth, the popular centre forward, scored over fifty.

Miscellaneous

POISON-LICENCE APPLICATION.—Grinter, Jeanes & Parsons, Langport, have applied to the Somerset County Council for a licence to sell agricultural and horticultural poisons.

WINE LICENCES GRANTED.—At Preston, recently, wine off-licences were granted to Mr. J. H. Fairhurst, chemist and druggist, Chorley, and to Mr. T. S. Wright, chemist and druggist, Haslingden.

IN THE COURTS.—At Lambeth Police Court, London, recently, J. Gunn & Co., Ltd., were fined £4, with 21s. costs, for having sold white pepper adulterated with 30 per cent. of ground rice. The defence was that the pepper had been accepted from a customer at a branch in exchange for other goods.—At Yeovil, on May 3, Thomas Parker, Fitzhaman Embankment, Cardiff, was sentenced to six months' hard labour for obtaining by false pretences goods value 4s. 8d., and £13 5s. 4d. in money, from Mr. Charles Cowle, chemist and druggist, Middle Street.

THE ROYAL INSTITUTION.—The annual meeting of the Royal Institution was held on May 1, Sir Arthur Keith (treasurer and vice-president) in the chair. The following were elected for the ensuing year:—*President*, The Duke of Northumberland; *Treasurer*, Sir Robert Robertson; *Secretary*, Major Charles E. S. Phillips. At a meeting on May 6 it was announced that the president had nominated the following as *Vice-Presidents* for the ensuing year:—Lord Blanesburgh, Sir James Crichton-Browne, Dr. W. H. Eccles, Sir Arthur Keith, Mr. C. H. Merz, Dr. G. C. Simpson, Sir Robert Robertson, and Major C. E. S. Phillips. Sir Joseph Thomson was elected Honorary Professor, and Sir Ernest Rutherford Professor of Natural Philosophy.

Scottish News

Brevities

Mr. David McCutcheon, chemist and druggist, was recently admitted to membership of the Glasgow Chamber of Commerce.

Kirkcaldy chemists have intimated to the public that the evening hours of attendance on Wednesdays (half-holiday) will be discontinued during the summer months.

John Hamilton & Co., manufacturing chemists and chemical brokers, are removing from Anderston Quay, Glasgow, to more commodious premises in Watson Street.

Mr. W. Thomson, M.A., brother of Mr. John Thomson, chemist and druggist, Doune, has been appointed Professor of Arabic in Harvard University, U.S.A.

Sir Thomas Henry Holland, rector of the Imperial College of Science and Technology, London, has been appointed principal of Edinburgh University in succession to Sir J. Alfred Ewing.

Mr. G. Cairns, chemist and druggist, Hawick, was slightly injured in a motoring accident near St. Boswells on May 5: his mother, who was travelling with him, had to be conveyed to the Cottage Hospital, Hawick.

Irish News

Brevities

The sympathy of a wide circle of friends in Longford, Athlone, and elsewhere has been extended to Mr. John Hagan, managing director of the Longford Drug Store, Ltd., on the death of his brother, Mr. Thomas Hagan.

Major D. Anderson, for forty-two years a Town Commissioner of Cookstown, who died on 3rd inst., was a brother of Mr. David Anderson, chemist and druggist, London, and brother-in-law of the late Sir William Baxter, Ph.C., Coleraine.

At a meeting of the Newcastle branch of the Unionist Association, recently, Mr. Robert Hastings, J.P., Ph.C., was pressed to allow his name to be put before the Convention as the Unionist candidate for the Mourne division in the Ulster Parliament. Mr. Hastings, while appreciating the honour, declined.

Excitement was caused in Ballymoney on May 2 when two large bullocks, which were being driven up Main Street, got out of control and rushed into Baxter's pharmacy. The task of getting the animals out peaceably presented considerable difficulty. They were eventually driven through the shop, behind the counter and out by the side entrance to the street without leaving any wreckage in their wake.

Belfast

Mr. Thomas B. Erskine, 115 Malone Avenue, Belfast, has been appointed representative in Northern Ireland for F. Newbery & Sons, Ltd., 27-28 Charterhouse Square, London, E.C.1.

The Ulster Retail Drug Trade Association has written to the Police Committee of Belfast Corporation pointing out that there are complaints that some chemists' shops are kept open after 8 p.m., contrary to the provisions of the Early Closing Order, and that this is causing great dissatisfaction.

April Drug Tariff

THE following are the chief alterations for April in the Insurance Drug Tariff for England and Wales:—

Lower.—Acid. tannic., 5s. 3d. lb.; ext. ergotæ, 3s. 6d. oz.; ext. ergot. liq., 6s. 6d. lb.; glycer. acid. carbol., 2s. lb.; lin. aconiti co., 3s. 6d. lb.; menthol, 2s. 9d. oz.; ol. abietis, 6½d. oz.; ol. morrhuae, 8s. 6d. gal.; tr. aconit., 6s. lb.; tr. lobeliae, 5s. lb.; tr. lobel. æth., 7s. lb.; tr. opii, 7s. lb.; ung. gallæ c. opio, 6s. 4d. lb.; ung. hyd. subchlor., 5s. 4d. lb.

Higher.—Acid. acetylsal. pulv., 5d. oz.; acid. citric. pulv., 3s. 8d. lb.; acid. salicylic, 2s. 10d. lb.; aloinum, 1s. 4d. oz.; dec. sarsæ jam. co. conc., 7s. 3d. lb.; ext. casc. sagr. sicc., 9d. oz.; liq. cocci, 8s. 6d. lb.; methyl. salicylas, 3s. 6d. lb.; methylsulphonal, 1s. 6d. oz.; ol. limonis, 26s. lb.; pot. acet., 2s. lb.; sodii salicylas, 4s. lb.; sulphonal, 1s. 5d. oz.; syr. ipecac., 2s. 9d. lb.; tr. calumb., 4s. 10d. lb.; ung. chrysarobin, 2s. 8d. lb.; ung. hamamel., 2s. 6d. lb.; ung. plumbi subacet., 2s. 2d. lb. Lints: Boric, 2 oz. 2.9d., 3 oz. 4.3d., 4 oz. 5.4d., 6 oz. 7.9d., 8 oz. 10.2d., 1 lb. 19.5d.; unmedicated, 2 oz. 3.6d., 3 oz. 5.3d., 4 oz. 6.8d., 6 oz. 9.9d., 8 oz. 13.2d., 1 lb. 25.0d.

FEHLING'S SOLUTION

Fehling's Solution is now included in the Drug Tariff. Medical practitioners and chemists are reminded that this reagent is part of medical benefit only when prescribed for a patient's own use whilst under treatment by insulin.

Associations' Meetings

Brighton.—The annual joint meeting of the Brighton and Hove Branch of the B.M.A. and the Brighton and Hove Association of Pharmacy was held at Brighton on April 24. Dr. Stanley White (P. D. & Co.) gave a lecture on the *Application of Micro-Organisms to Medicine*, accompanied by the exhibition of a film, "How Biological Products are Made," and lantern slides made at the firm's American laboratories. Fifty members were present. This meeting has been a popular item in the Association's activities for the past seven years, and it provides an evening enjoyable to both doctors and chemists.

Cardiff.—The final meeting of the Cardiff Pharmacists' Association was held on April 30. Mr. J. D. Jenkins in the chair. The secretary presented the report, which stated that owing to the evolution of local organisation the Association, which had filled an important part in the annals of local pharmacy for 28 years, was not necessary, the duties being now undertaken by the Branches of the Pharmaceutical Society and the R.P.U. The balance sheet, which showed a balance of about £70 in hand, was accepted, and it was agreed that as the Association had amalgamated with the local Branch the funds should be transferred to those of the local Branch, subject to a few minor outstanding payments. For the future the office of secretary to the Welsh College of Pharmacy Advisory Committee would be vested in the secretary of the Branch. In winding up the Association tributes were uttered by Messrs. J. Lee Jones, E. Poole, J. Murray, S. W. Hague, A. S. Johnson and Whitney Evans. Votes of thanks to Mr. J. D. Jenkins (president) and E. A. Ward (secretary) were heartily accorded.

Women Pharmacists.—The National Association of Women Pharmacists held their annual general meeting on April 24 at 17 Bloomsbury Square. The chair was taken by the president, Miss Dennis Hayes. The following officers were elected for the ensuing year:—*President*, Miss Sproule; *Vice-President and Treasurer*, Miss Kirkwood; *Secretary*, Miss Hodgkinson; *Assistant Secretary*, Miss Cross; *Employment Secretary*, Mrs. Patterson; *Committee*, Mrs. Freke, Mrs. Irvine, Miss Dennis Hayes, Miss Blundell, Miss Coulson, Miss Harvey, Miss Smith; *Auditors*, Mrs. Worth and Miss Bedell.

UP-TO-DATE WITCH DOCTORS.—A Press message from Johannesburg states that native witch doctors have decided to form a trade union.

Royal Academy of Arts

THE hundred and sixty-first exhibition of the Royal Academy of Arts opened at Burlington House, London, W.1, on May 6. The interest of the portraits is this year thrown into stronger relief by the cloying sweetness of the almost innumerable floral studies—enough "to turn the Pantheon into a greenhouse," if that distinguished edifice was not already appropriated to another use. It appears that those who order portraits in the present day have a choice of admirable artists; and most visitors will be satisfied, with occasional reservations, with the full- or half-length canvases depicting the King (87), the Queen (193), the Duke of York (211) Princess Beatrice (230), the Minister of Health (257), the Lord Mayor of London (113), Miss Margaret Beavan, ex-Lord Mayor of Liverpool (527), Sir Ray Lankester (18), Dr. J. M. Thomson, Emeritus Professor of Chemistry at King's College, London (350), Mr. J. L. S. Hatton, principal of the East London College (177), and a strong contingent of the medical profession, including Lord Moynihan (145), Professor Priestley Smith, of Birmingham (561), Sir St. Clair Thomson (1,097, an etching) and Dr. A. S. Woodward (1,456, a marble bust) are among doctors represented in other media than oils. The architectural room has, among nearly 200 exhibits, drawings of the Eastman Dental Clinic, in London (1,265), an extension of the National Institute of Medical Research (1,228), and the new L.C.C. weights and measures office (1,232). The lecture room, devoted as usual mainly to sculpture, contains a design of St. George, for a medal (1,445), by Frank M. Taubman, artist and pharmacist, and a member's badge in connection with the Congress of Military Medicine and Pharmacy (1,523, n), designed by T. H. Paget. One canvas, sufficiently entitled "Decomposing," may prove of particular interest to bacteriologists and surgeons, as it represents a partially covered corpse, the head of which has apparently adopted the rôle of the independent juryman and gone its own way. For the rest, tradition holds sway except in the arrangement of certain galleries, which has been slightly modified. Cornwall and Suffolk hold their own as providers of subject-matter: on the other hand, the influence of modern architecture on the choice of street scenes is of the slightest. Visitors who are intrigued by "problem" pictures may enjoy "The Four Evangelists" (234) and a few other canvases, the purport of which escapes the uninitiated.

Westminster Wisdom

Notes on Parliamentary Matters

RECIPROCITY WITH NORTHERN IRELAND

The Pharmacy Bill (*O. & D.*, April 27, p. 508, and May 4, p. 534) was read a third time in the House of Lords on May 2 and passed, and sent to the Commons. The second reading of the Bill in the House of Commons took place on May 7, when Sir V. Henderson presented a resolution: "That this House will immediately resolve itself into the committee on the Bill." The Bill was accordingly considered in committee and reported, without amendment; read the third time, and passed, without amendment.

SUGAR DUTY

In a written answer to a question put by Sir J. Power on May 1, Mr. Samuel supplied the following table showing the quantities of raw and refined sugar in respect of which duty was paid during each of the periods May 1, 1927, to March 31, 1928, and May 1, 1928, to March 31, 1929:—

	Period from May 1, 1927, to March 31, 1928	Period from May 1, 1928, to March 31, 1929
	Cwt.	Cwt.
Imported refined sugar ..	8,173,900	2,370,731
Imported raw sugar ..	2,492,609	32,659,849
British refined sugar ..	17,531,905	758,192
Home grown sugar ..	3,362,079	3,580,848

Legal Reports

Warranty Defence Succeeds.—At Littledean, recently, Mr. Arthur W. J. Evans, chemist and druggist, Newnham, was summoned for having sold tincture of iodine deficient in potassium iodide. Mr. Pitt Lewis defended, and explained that the tincture was purchased from an old-established firm in London and sold as received. An invoice was issued with the bottles guaranteeing the contents to be according to the British Pharmacopœia. The magistrates expressed themselves as satisfied that Mr. Evans sold the tincture under warranty, and dismissed the case.—At Staple Hill Police Court, on May 2, a similar charge against Sigrist & Co., Ltd., Hanham, was heard. Mr. R. H. Ellis, public analyst for Gloucestershire, said that more than one-third of the potassium iodide which should have been present was missing. Mr. W. D. Tiley, chemist and druggist, an assistant with the defendants, said the tincture was obtained in January and was not opened until the day referred to in the summons. Mr. R. H. Sigrist, chemist and druggist, a director of the defendant company, said only three people had access to the iodine. Mr. E. A. Painter, for the defendants, urged that the iodine was covered by warranty. The chairman announced that the magistrates had decided to dismiss the case, remarking that the evidence was "very complicated."

A Disputed Order.—At Longford Circuit Court, recently, two claims by Wynter Brothers & Co., Ltd., Bradford, to recover the price of goods sold to M. J. Ryan, Lanesborough, and Mr. T. J. Regan, Longford, were heard. Mr. Charles Perry, traveller for the plaintiffs, gave evidence of having taken orders from the defendants. Correspondence was read by Mr. Farrell, solicitor for the plaintiffs, which had passed between Mr. Ryan and the plaintiffs in which Mr. Ryan refused the goods, stating that the police were active in his district in the matter of merchants who were not chemists selling "chemical goods," and that he could not stock them. The plaintiffs' letters stated that they refused to accept return of the goods. Mr. Ryan, in evidence, admitted that he ordered the corn-cure and toilet preparations. The only place where witness wrote his name was on a blank sheet. Mr. Regan, the other defendant, said that Perry told him that the firm was doing a big business in England and extending it to Ireland, and for that purpose were promoting a huge advertising campaign. He proposed to appoint witness sole agent in Longford for their toilet preparations, and witness gave Perry an order for goods amounting to £10. He alleged that the quantities ordered by him of the different preparations had been increased without his authority, and he refused to accept delivery of goods worth £29. Perry, when he asked him to sign what he thought was the usual agency form, covered the top part of the document with another document, and witness now realised that what he had signed was the order. Mr. Farrell: According to you, it was a trick performance? He played a confidence trick on me. It would be the act of a lunatic to buy £29 worth of that stuff. Mr. Farrell said serious allegations had been made against Perry in the course of the case which were altogether unjustified. Judge Wakely gave a decree against Mr. Ryan for £29, with costs, and against Mr. Regan for £10, with costs, and £4 witnesses' expenses in each case.

Merchandise Marks Act, 1887.—At Bow Street Police Court, London, on April 24, Mr. Graham Campbell continued the hearing (adjourned from April 10) of summonses against Wallace Pure Foods, Ltd., Tottenham Lane, N., for (1) unlawfully and with intent to defraud, applying to certain coffee sold by William Benjamin Shearn, a false trade description as to the materials of which it was composed; (2) for causing the description to be applied; (3) for exposing the coffee so described for sale; (4) for having it in their possession for the purposes of trade; (5) for selling the same. The false trade description alleged was that the coffee was "practically caffeine free." Mr. W. B. Shearn, Tottenham Court Road was summoned for selling the coffee under the same false trade description. Mr. F. Wishart was counsel for the prosecution; Mr. Critchley appeared for the Wallace Pure Foods Co., and Mr. Louis Gluckstein for Mr. Shearn.

CASE FOR THE PROSECUTION

Mr. Wishart, in opening the case, stated that all the summonses arose out of one transaction. It was stated on the tins that 100 ounces (representing 100 pints of liquid coffee) contained only $\frac{1}{10}$ oz. of caffeine. The tins bore the label, "P. R. Coffee," which, it was explained later, stood for "Physical Regeneration Coffee." Analyses had proved that the coffee actually contained in 100 oz. as much as from 330 to 400 gr. of caffeine, which was more than 300 times as much as was represented. It was further represented on the labels that it would take a person drinking a pint of coffee a day twenty-seven years to consume an ounce of caffeine, but the actual period would be from 118 to 130 days. Mr. William Clement Paske, solicitor's managing clerk, gave evidence that he was the nominal prosecutor. In cross-examination the witness said he did not ask for any particular brand of coffee. He did not know that Mr. Shearn had stocked "H.A.G." coffee since before the war. Witness was a signatory to the memorandum of agreement of the H.A.G. Co., Ltd., which sold caffeine-free coffee. Mr. Benjamin H. Gerrans, F.I.C., public analyst, said that upon infusion of one ounce of the coffee in a pint of boiling water he got 3.7 gr. of caffeine. A person drinking a pint a day would consume one ounce of caffeine in 118 days. Witness had also made an analysis of ordinary coffee purchased at a grocer's shop, and found that it contained slightly less caffeine than the "P.R." coffee. Mr. James K. Colwell, F.I.C., public analyst, said his analysis of the "P.R." coffee showed that the caffeine content was 1.02 per cent. From one ounce of the coffee in a pint of water he got 3.39 gr. of caffeine. Witness had also analysed some ordinary coffee, which he found to contain 4.46 gr. of caffeine per oz. Mr. Cecil Webb Johnson, physician, Upper Wimpole Street, said that ordinary coffee had a good stimulating effect, but some people could not take it at all. It was the caffeine which gave all the effect of coffee, and caffeine would be very deleterious in large doses. Mr. Critchley (cross-examining): A material without caffeine would not be coffee at all?—It would be rather like tobacco without nicotine or whisky without alcohol. So the question of people taking coffee without caffeine is a futility?—I don't think much is sold. I have never heard of it. I have heard of tea without tannin, but I don't believe it.

ARGUMENT FOR THE DEFENCE

Mr. Critchley submitted that he had no case to answer. The wording of the Act, "any description as to the materials of which the goods are composed," implied actual possession of some materials and misdescription of those materials. The defendant company had not composed anything. Coffee was purely Nature's product, and the only evidence so far was that the caffeine content was greater than stated on the tin. In his submission the procedure in this prosecution was wrong. The Act only applied to manufacturers who put things together, and who were required to describe the kinds of material used in the manufacture of the article.

When the hearing was resumed on April 24, Mr. B. H. Gerrans, analyst, recalled, stated in reply to Mr. Wishart that the aroma and taste of coffee from which caffeine had been extracted would be quite normal. In answer to Mr. Critchley, the witness agreed that caffeine was a very useful drug or food. Counsel: You are not suggesting that this "P.R." is anything but pure coffee?—The residual portion of the coffee is quite genuine. What percentage of caffeine did you give us?—1.05. That is the total caffeine present. Infusion gave rather less. Is the average quantity of caffeine in various coffees about 1.4?—1.0 to 1.5 is the average. Mr. Critchley said he had not questioned the analyses, because he was not yet in a position to do so. Investigation was being made, but the results had not been received. Mr. J. K. Colwell, analyst, was also recalled, and said that the percentage of caffeine he found was 1.02, which was a little below the average. Did you notice anything to suggest that this was not the purest of coffee?—Nothing but the statement on the label that the caffeine had been taken away. In this case it had not been taken away. Mr. Wishart said that finished the evidence for the prosecution. The hearing was again adjourned.

New Companies and Company News

P.C. means Private Company and R.O. Registered Office.

WILEY'S PHARMACY, LTD. (P.C.).—Capital £300. Objects: To acquire the pharmacy at Station Road, West Moors, Wimborne, Dorset. The directors are: T. H. Wiley, and Mrs. H. M. Wiley. R.O.: Station Road, West Moors, Wimborne, Dorset.

HENRY RODGER & Co., LTD. (P.C.).—Capital £7,000. Objects: To acquire the business of Henry Rodger & Co., manufacturers of sheep dips, etc., 11 York Street Lane, Ayr. The directors are: H. T. H. Rodger, and Q. Dunlop. R.O.: 11 York Street Lane, Ayr.

TORBAY PHARMACIES, LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of chemists, druggists, patent medicine proprietors and vendors, etc. The subscribers are: W. G. L. Hadley, H. M. Learmont. Solicitors: F. G. Allen & Sons, Portsmouth.

W. A. WHARRAM (1929), LTD. (P.C.).—Capital £20,000. Objects: To acquire the business of wholesale chemists now carried on by W. A. Wharram, Ltd., at Leeds. The subscribers are: W. A. Wharram and T. H. Moody. Solicitors: Simpson, Curtis, Dixon & Burrill, Leeds.

FORSYTE, LTD. (Public C.).—Capital £10,000. Objects: To carry on the business of manufacturing chemists, manufacturers and vendors of medical, pharmaceutical, veterinary, chemical, etc. The directors are: J. F. Marcus, Marion Lowe. R.O.: 38 Buckingham Palace Road, S.W.1.

DAVIES, HAYNES & DODD, LTD. (P.C.).—Capital £2,000. Objects: To acquire the business of herbal brewers and confectioners carried on by W. J. Davies and C. H. Haynes, at Whipcord Lane, Chester. The directors are: W. J. Davies, C. H. Haynes, and A. E. Dodd. R.O.: Whipcord Lane, Chester.

MILTON MILL Co., LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of wadding, cotton wool and surgical dressing manufacturers, cotton and cotton waste merchants, etc. The directors are: J. R. Mason, H. I. Williams, and E. M. Jones. R.O.: Smithfield Mills, Chapel-en-le-Frith, Derby.

A. C. DUTTON, LTD. (P.C.).—Capital £1,500. Objects: To carry on the business of pharmaceutical chemists and druggists, herbalists, seedsmen, opticians, etc. The directors are: E. L. Dutton, 153 Huddersfield Road, Halifax, sawmill engineer; and A. C. Dutton, 42 Main Road, Denholme, Bradford. R.O.: 42 Main Road, Denholme, Bradford.

EASTERN COUNTRIES LUBRICANTS, LTD. (P.C.).—Capital £3,000. Objects: To carry on the business of manufacturers, distillers, refiners, purifiers, blenders, importers and exporters of and dealers in petroleum and petroleum products and oils, greases and fats, etc. The first directors are: G. W. Brown and H. V. Willis. R.O.: Hall Street, Soham, Cambs.

ALBRIGHT & WILSON MATCH PHOSPHORUS Co., LTD., was registered as a "private" company, on April 22, with a nominal capital of £65,000. Objects: To acquire that part of the business of Albright & Wilson, Ltd., devoted to the manufacture and sale of amorphous phosphorus, sesquisulphide, and other sulphides of phosphorus for the match making purposes, and certain of the assets and the goodwill of such part of the said business, etc. The subscribers are: O. J. Andren and K. H. Wilson. R.O.: Oldbury, near Birmingham.

BENGER'S FOOD, LTD.—The net profit for the year ended March 31 amounted to £56,315 (against £54,241 for 1927-28). The dividend for the year on the ordinary shares is again 10 per cent., £12,000 (against £8,000) is placed to advertising and extension of business account, and the "carry forward" is increased from £15,043 to £15,358.

J. & E. ATKINSON, LTD.—The report for 1928 shows a net profit, including interest from investments and sundry credits, and, after making provision for bad and

doubtful debts, etc., of £35,717. The directors recommend a dividend on ordinary shares of 10 per cent., less income tax, transfer to general reserve £3,500, leaving to carry forward £14,496.

B. LAPORTE, LTD.—The net profit for nine months to March 31, 1928, amounts to £18,390 (against £12,704 for previous twelve months). A dividend on the ordinary shares at the rate of 8 per cent. per annum for nine months has been declared (against 3 per cent. actual for year); £2,000 to tax suspense account; £500 to investment reserve; £500 written off patents; £9,519 forward (against £4,479). Negotiations are now in progress which it is anticipated will result in an expansion of the business, and the Board expect that it will be necessary later to increase the capital. No cash issue is anticipated.

"CAMPRO" CAMERAS AND FILMS, LTD.—In the Companies Winding Up Court, on May 6, Mr. Justice Maugham had before him a petition by Kodak, Ltd., Kingsway, for the compulsory liquidation of "Campro" Cameras and Films, Ltd. Counsel for the petitioners stated that they were creditors, and that a guarantor of the respondent company had paid the debt in full. He asked now that the petition should be dismissed. Mr. Waite, for a judgment creditor for £76, opposed the dismissal of the petition and asked to be substituted as petitioner. Another counsel who said he represented a creditor for £2,000, also opposed the withdrawal or dismissal of the petition. His lordship adjourned the petition for a week and made an order substituting Mr. Waite's client as petitioner in the place of Kodak, Ltd.

YORK GLASS Co.—The affairs of the York Glass Co., which was purchased by the late Mr. Thomas Jubb, Hunslet, Leeds, were mentioned to Mr. Justice Romer in the Chancery Division on May 2. Mr. Cleveland Stevens, for the company, reminded his lordship that in 1924 the company brought an action against Mr. Jubb for specific performance of his contract to purchase the works and the question arose whether or not Mr. Jubb was insane when he entered into the agreement. Judgment was given for the company and the damages amounted to over £24,000. From 1924 down to to-day the company had only received £3,000. There was in Court stocks and money totalling £9,400, and it was proposed to pay out to the company a sum of £7,000. It was also proposed to form a new company to take over the business and to give the plaintiff company debentures to secure their debt. Mr. Errington, for the executors of Mr. Jubb, said there were duties to be paid, and suggested that the payment out should be limited to £5,000. After some discussion it was agreed that £6,000 should be paid out in reduction of the debt without prejudice to any question of duty, and his lordship made an order accordingly.

COMPANIES DISSOLVED.—Notice has been given in "The London Gazette" that the names of the undermentioned companies have been struck off the register and the companies dissolved:—Chemical Research Co., Ltd.; Disinfectants and General Products, Ltd.; Associated Surgical Appliance Makers, Ltd.; Hysan, Ltd.; Keene's One-Night Cures, Ltd.; British Casein Co. (1911), Ltd.; British Potash Co., Ltd.; Sapon Soaps, Ltd.; Surgical Supplies, Ltd.; Alaska Remedies, Ltd.; Aphrosal, Ltd.; Dr. Wilsengold's Pharmacopoeia Co., Ltd.; New Detergents, Ltd.; Pike's Pharmacies, Ltd.; Tarbo Chemical Co., Ltd.; Beasley's Surgical Appliances, Ltd.; Chemical Finance Co., Ltd.; Disinsecto, Ltd.; Reliance Laboratories, Ltd.; Sun Ray Photographic Light Co., Ltd.; Vacuum Bottle Co., Ltd.; Welsh Drug Houses, Ltd.; Aniline Dye and Chemical Co., Ltd.; Calvert Dyes, Ltd.; Comet Chemical Co., Ltd.; New Chemical Co., Ltd.; Noble's Drug Stores, Ltd.; Oowana Soap Co., Ltd.; Sandow's Cocoa and Chocolate Co., Ltd.

Gazette Bankruptcy Acts

ADJUDICATION

BAKER, A. J. J., "Robin Hood." Undercliff Gardens, and 77 Broadway, Leigh-on-Sea, Essex, chemist.

Festivities

Medway Annual Gathering

THE annual general meeting of the Medway Branch of the Pharmaceutical Society and Retail Pharmacists' Union was held at Maidstone on April 17, Mr. J. E. French presiding. The chairman referred in sympathetic terms to the loss the branch had sustained by the deaths of Mr. H. C. H. Oliver and Mr. Hudson. Miss Clothier (Maidstone) was elected *Chairman*, and Mr. Clarke *Vice-Chairman*; Miss Bouckley, Mr. Eric Farrow and Mr. Armour were added to the *Committee*. After dealing with the business members retired for tea. In the evening a joint dance and social evening was enjoyed by about sixty, including as guests the Deputy-Mayor and Mayoress of Maidstone and Mr. F. G. Wells (member of the Society's Council). The Stuart Band of pharmacists from Gillingham provided an excellent programme of music, and prizes distributed by the Deputy-Mayoress, were won by Mr. and Mrs. Verrall, Miss Loveland and Mr. Hibberd. The arrangements for the gathering were made by the secretary, Mr. W. G. Wells.

Sporting Events

THE season's opening competition of the Northumberland and Durham Chemists' Golfing Association was recently held on the Ravensworth course, Gateshead-on-Tyne, when twenty-four members returned cards. Play was against bogey, and the prize was a season ticket for the Newcastle-on-Tyne exhibition, presented by Messrs. Such and Paisley, who represent Evans Sons Lescher & Webb, Ltd., in the district. The ticket was won by Mr. Rutter, Gateshead (18 handicap), who was one down on bogey. Mr. Joy, Monkseaton (handicap 5), was second, with four down.

THE Edinburgh Chemists' Golf Club held their second outing of the season over Broomie Moors course on April 24. Nineteen members took part in the competition, and the following were the prize-winners: (1) E. Brindle, 67; (2) J. Noble, 70; (3) W. G. McNab, 76; (4) tie between G. P. Cooper and W. A. M. Hourston, 79. —The Club held the third outing of the season over Dalmahoy course on May 1, when scores were taken for the Pinkerton Gibson trophy. The following returned the best cards out of sixteen:—(1) D. McLaren, 88; (2) A. Waugh, 90; (3) J. Noble, 91. The first place in the second class was taken by W. S. Spence with a 93.

THE new sports ground of The British Drug Houses, Ltd., at Highgate (provided by the company for the use of the employees) was opened on May 4 by the managing director, Mr. C. A. Hill, president of the B.D.H. Sports Association. Mr. Hill was supported by the following directors as vice-presidents:—Messrs. R. R. Bennett, F. H. Carr, A. Francis, R. K. Harvey, R. M. Harvey and F. C. O. Shaw. The president hoisted the chocolate-and-gold flag, and declared the ground open for the benefit of all employees. In spite of somewhat boisterous weather, an excellent and varied afternoon's sport was enjoyed by the large number of employees, with their wives and sweethearts, who were present. The results of the different games were as follows:—

Net Ball.—B.D.H. v. Britannia Athletic Club was an excellent game, the score being 7-3 in favour of Britannia. Later in the afternoon a match between the office and warehouse resulted in a win for the former girls by 7 goals to 4. **Crickets.**—In the match B.D.H. v. the Veterans, the "old brigade" triumphed over the present team by forty-nine runs. **Football.**—B.D.H. v. Free Trade Wharf F.C., in the London Commercial League. The B.D.H. won by 6-2 after a very exciting game. **Lawn Tennis.**—Five courts were fully occupied, and some good play roused enthusiasm amongst the spectators, particularly the exhibition in the men's doubles, C. A. Hill and H. Tracy v. F. H. Carr and H. Nowell. **Club Golf** was a source of amusement to many who were not taking part in the other games.

The support given on the opening day shows promise of a most successful future for the B.D.H. Sports Association, whose present activities, in addition to those mentioned, include swimming, rambling and camera clubs.

Insurance Act Dispensing

Record of matters concerning Chemists' interests in the National Health Insurance Acts

Local Reports

ENGLAND AND WALES

Bath.—At a meeting of the Insurance Committee on April 25, a member drew attention to the fact that the cost of ingredients was decreasing, while the cost of dispensing was increasing. The chairman said that the position was really worse in Bath than in the South-Western area as a whole. The clerk said that a number of medical men in Bath ordered two or three things on the same prescription.

Dewsbury.—At a meeting of the Insurance Committee on April 11 it was reported that a test sample of medicine had been found on analysis to contain an excess of each ingredient. The chemist concerned had attended a meeting of the Pharmaceutical Service Subcommittee, and had been warned.

Lancashire.—Statistics were placed before the Area No. 4 Lancashire Prescription Bureau, at a recent meeting at Blackburn. The towns include Blackburn, Blackpool, Preston, Burnley, Barrow, Bury, Oldham, Rochdale, Bolton and Westmorland County. The total cost of ingredients was £38,653, against £41,514; the total dispensing fees, £41,392, compared with £43,660. The average cost per prescription was: Ingredients, 4.2d., the same as the previous year; dispensing, 4.4d, against 4.5d. The number of insured persons totalled 474,599, against 469,082, and the average total cost per person was 40.5d., against 43.6. Preston headed the list with an average total cost of 47.8, and Blackpool was the lowest with an average total cost of 31.3d. The average number of prescriptions dispensed during the period 1916 to 1921 was 1,098,175; in 1922 it had increased to 1,401,701; 1927, 2,346,969; and 1928, 2,233,379. The increase of 1928 over the average for 1916-21 was 103.4 per cent. The largest increase was at Preston, 143.2 per cent., and the lowest in Westmorland, 40.1 per cent. The average cost per prescription for the years 1916-21 throughout the area was 7.9d, and the increase in 1928 over this figure was 8.9 per cent. The average cost per insured person for 1916-21 was 22.3d., and the increase in 1928 over this figure was 81.6 per cent.

Preston.—At a meeting of the Insurance Committee on May 1, Mr. W. Pemberton moved the following resolution:—Whilst this committee is particularly anxious to safeguard the rights and to protect the health of insured members, it is of the opinion that, in view of the long and continued high average frequency and cost of medicine in Preston, it would be advisable to institute a wide and searching general inquiry into the methods of prescribing medicines, with the special object of ascertaining whether (a) prescribing is excessive in quantity or frequency, and (b) whether Preston doctors have any real need regularly to prescribe more medicines than are used in other areas of a similar class. Mr. Pemberton, moving the resolution, asked if the Committee were satisfied with the high frequency and the high cost of drugs per person as shown in the returns for 1928, and was it to be allowed to go on increasing without some inquiry? There had been an increase in frequency of 143 per cent. from 1916 to 1928, and the actual increased cost to the drug fund was 123 per cent. The trouble seemed to be that no doctor in Preston could build up a panel and keep it who did not prescribe medicine *ad lib.* "The insured persons," he said, "demanded it, and the doctors dared not refuse it for fear of losing their patients. A young doctor in Preston has got to do what other doctors do or go under. I think the heavy prescribing of medicines in Preston is a relic of the old club doctor days." Dr. Derham said the question of over-prescribing was one investigated from time to time. At the same time he considered that a return to the old methods of individual doctors being notified of the amounts they were prescribing would be very welcome, and in that way those who over-prescribed could be traced. Mr. Pemberton agreed to withdraw his resolution on the understanding that Dr. Derham's proposal should be brought forward in committee.

Congress of Military Medicine and Pharmacy

THE Secretary of State for War (Sir Laming Worthington-Evans) opened the proceedings of the Fifth International Congress of Military Medicine and Pharmacy in the Great Hall of the British Medical Association, Tavistock Square, London, W.C.1, on May 6, by according the 750 delegates a welcome on behalf of the British Government. The War Secretary said that in the sphere of military medicine those present were willing to meet together and exchange freely the fruits of their professional research, secure in the knowledge that whatever might happen in the future they would never be used except in the name of humanity. Lieutenant-General Sir Matthew Fell (Director-General of Army Medical Services) also offered a welcome. General Lanne (France), and General Rouppert (Poland), on behalf of the delegates, expressed their thanks for the welcome. The principal delegates were received by the Prince of Wales at York House and were the guests of the Government at a dinner and reception. The remainder of the programme includes visits to Aldershot and other places of interest.

The Exhibition

One feature of the Congress is an exhibition of drugs, chemicals, surgical instruments, appliances and books, which is housed in the premises of the British Medical Association. On entering the section installed on the ground floor, the visitor's attention is claimed by the comprehensive displays sent by the Navy, the Army and the Royal Air Force. Taking the senior Service first, the complete medical outfit of a battleship is shown in detail, from such general requisites as chloroform and bandages to more specialised items of equipment. The x-ray outfit, the microscopes, the operation sets and the outfits for specialists attached to a fleet (e.g., ophthalmic and genito-urinary) throw a welcome light on the thoroughness of the provision for our Navy on the medical side. Each vessel, it appears, carries a case of emergency surgical dressings, the opening of which is forbidden except in the event of a genuine emergency arising; another interesting piece of apparatus is the Neil-Robertson stretcher, which, made of stout but pliable materials, can be fitted to the body. This instructive collection is paralleled, though perhaps on a smaller scale, by those of the Army and the Royal Air Force.

The remainder of the exhibits may be roughly divided into (1) chemicals or proprietaries and (2) apparatus and books. In the former class come several of well-known manufacturing and exporting houses. THE ANGLO-AMERICAN OIL CO., LTD., have an interesting trio in Nujol, Mistol and Flit: the second of these, possibly not so familiar as the others, is a compound menthol oily spray for use in an atomiser. THE ANGLO-FRENCH DRUG CO., LTD., and MODERN PHARMACALS, LTD., have a comprehensive display of the chemical and glandular preparations with which their names are associated, representing many of the newest lines of treatment; of these may be instanced mycolactine, orargol and biscam. ARMOUR & CO., LTD., give prominence to Glanoid fluid extract of liver, Thromboplastin, ligatures, and, of course, digestive ferments. BOOTS PURE DRUG CO., LTD., again manifest their position in the front rank of manufacturing chemists with a well-planned exhibit of fine chemicals (acriflavine, orarsan (an organic arsenical compound used in amoebic dysentery, syphilis, etc.), ephedrine hydrochloride, bismostab, hexyl resorcinol and others), liver extract, vaccines, viules, and tablets of many kinds. W. BREDT has a variety of Thilo's products on view, including ethyl chloride containing 0.5 per cent. of eau de Cologne, Thyangol tablets and glucose solutions. BURGOYNE, BURBIDGES & CO., LTD., show Tetracol. Neutramyne (tablets containing vitamins A and D). Normo-Gastrine (an aluminium silicate). Jecoform, and other fine chemicals and proprietaries. Dioramas depicting the exploits of Scott and Peary are features at the stand of BURROUGHS WELLCOME & CO. The actual cases carried by these and other pioneers are also on view. A characteristic selection of Wellcome brand serums, vaccines, tuberculins and serological products is shown,

together with tabloids of ephedrine hydrochloride, hypcoloids of quinine and urethane, and several other fine chemicals. There are also specimens of medicinal plants exhibited. G. W. CAIRNICK CO. (London agents, Brooks & Warburton, Ltd.) make a feature of glandular products, in which they specialise. THE CROOKES LABORATORIES have a representative exhibit of Collosol products, including the calcium, manganese, antimony, silver and sulphur types. THE DENVER CHEMICAL MANUFACTURING CO. make a neat display of Antiphlogistine. DESHELL LABORATORIES, LTD., employ coloured lights in advocating the virtues of Petrolagar brand emulsion in its four varieties. J. C. ENO, LTD., show their Fruit Salt and describe the precautions taken in its manufacture. FASSETT & JOHNSON, LTD., make a display of Angier's Emulsion, together with Seabury's & Mead's plasters and dressings. GENATOSAN, LTD., have on view a full range of their products, including vaccines and other proprietaries calculated to appeal to the medical profession. GLAXO LABORATORIES display Ostelin, Osol spray and other vitamin products, including Sunshine Glaxo, together with a range of Maltine compounds. C. R. HARKER, STAGG & MORGAN, LTD., make an attractive display of Petrolax (containing 65 per cent. of liquid paraffin) and its developed compounds, flanked by products calculated to appeal to the medical visitor. HOFFMANN-LA ROCHE CHEMICAL WORKS, LTD., create an up-to-date impression with a display of allonal, digalen, isacen, omnopon and other fine chemicals, to which are added Tubunic ampoule syringes and various specialities of the house. KAYLENE, LTD., have a neat exhibit of Kaylene (hydrated aluminium silicate), Colonal liquid paraffin and allied products. KOLYNOS, INC., make an attractive display of their dental cream, liquid and denture powder.

MAY & BAKER, LTD., have a stand comprising many of the fine chemicals for which they have built up an extensive reputation, such as novarsenobillon, arseno-argenticum, mercurial cream (in ampoule syringes), balsol, parosan, bistoval and mestarine. Chloroform, ether, vaccines and other products are also on view. THE MOND STAFFORDSHIRE REFINING CO., LTD., have a well-arranged show of Monsol and its products, including the throat pastilles, ointment and dental cream. PARKE, DAVIS & CO. show a representative selection of gland products, making, naturally, a prominent feature of pitressin and pitocin, the two principles of the posterior lobe of the pituitary gland, the separation of which was lately accomplished in their laboratories. Supporting this interesting exhibit are many of the well-established products of the firm, such as vaccines, Glaseptic nebulisers, bacteriol antigens, and cod-liver oil emulsion. PROMONTA CO., LTD., show New Promonta, an organic nutrient preparation containing lipoids, vitamins and other promoters of metabolism. hepaptoson liquidum, and inkretan from pituitary glands. SANDOZ CHEMICAL WORKS have a group of modern products on view, e.g., scillaven, felamine, lobeline and bellafoline, the names of which give some indication of their source. SCHERING, LTD., show a wide range of the chemicals with which their name is associated, including solangal (a gold product of low toxicity), senhalin B, neutralon, vasauo (a sea-sickness remedy for which brilliant results are claimed) and veramon. STANFORM, LTD., urge the claims of staniform, a product to which we referred more fully when it was shown at the British Industries Fair. Samples and literature are issued to the medical profession. WRIGHT, LAYMAN & UNNEY, LTD., indicate that their old favourites, the coal-tar soap and Upol, are still "going strong," and likely to continue in that path.

Of exhibits not falling within the scope of the preceding group, we may note those of ARNOLD & SONS (surgical instruments and appliances), BAILLIÈRE, TINDALL & COX (medical books), J. & A. CHURCHILL (medical books), HOLOPHANE, LTD. (scientific illumination), HORLICK'S MALTED MILK CO., LTD., INHALING DRUG & APPARATUS CO., LTD. (Spiess-Drager nebulising apparatus, Hirth inhaling apparatus, Brun's pneumatic apparatus), JOHNSON & JOHNSON (GREAT BRITAIN), LTD. (plasters, dressings, ligatures, etc.), H. K. LEWIS & CO., LTD. (medical books), MEDICAL SURGICAL SUPPLIES, LTD. (surgical instruments and sets, douches, etc.), WILLIAM WARNE & CO., LTD. (rubber goods), JOHN WRIGHT & SONS, LTD. (medical books).

Council Candidates

Mr. Percy Barrs

was educated at Hulme Grammar School, Manchester, and was apprenticed in 1899 to Mr. W. A. Senior, Scarborough. After



MR. P. BARRS

representative in the Rotary Club of Kensington.

Mr. H. G. Heathfield

served his apprenticeship to the late Mr. F. P. Watson, Bailgate, Lincoln. He was assistant to Mr. W. S.

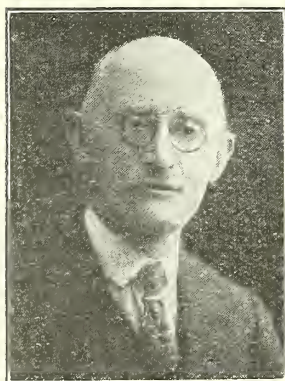


MR. H. G. HEATHFIELD

He then opened a pharmacy in Colchester.

Mr. W. H. Padget

was born and educated at Broadstairs. He served three years with the late Mr. Hale, chemist, then took up dispensing for doctors at Ramsgate, Newbury, London and Newport (Mon.). In 1907 he was appointed dispenser to the Royal Gwent Hospital, Newport, a post he held for fourteen years. In 1921 Mr. Padget purchased the business of the late Mr. Benson Harries, Commercial Road, Newport, which he is still carrying on. During the last eight years he has been a prominent member of the Newport (Mon.) Chemists' Association, of which he was elected president in 1927. Mr. Padget has also been chairman of the Newport Insurance Committee, and is a member of two of its committees.



MR. W. H. PADGET

(Previous instalments of this series appeared in our issues of April 13 (p. 442), April 20 (p. 470), April 27 (p. 507) and May 4 (p. 538), and included the views of twelve of the candidates.)

Pharmaceutical Parliamentary Fund

We have received the following letter from Mr. H. N. Linstead and Mr. G. A. Mallinson:—

SIR,—As the secretaries of the Parliamentary Fund Committee, our attention has been called to a circular letter recently issued above the signature of Mr. J. F. McNeal. In this letter Mr. McNeal suggests that the Parliamentary Fund Committee has refused to help him for personal reasons, while it has helped other prospective candidates with much poorer chances than his. We are handicapped in replying to him by our inability to make public (a) the extent to which the candidates named in his letter are being helped by the Committee, and (b) the results of inquiries made by the Committee both in the two constituencies and in London before Mr. McNeal's requests for help were refused. It is significant that in one of the two up to the present no Conservative candidate has appeared. The party is apparently not prepared to spend its own money in fighting the seat.

Nevertheless, his letter is so misleading that we feel some reply must be made. We write, therefore, to tell subscribers to the fund that two at least of the six candidates (and his list is not complete) whom Mr. McNeal speaks of as "selected" by the Committee are not having their election expenses paid from the Fund, while the grants made to the others vary. Many subscribers do not realise what a handicap it may be to a candidate to have his name published as a representative of a particular interest, but persons with political experience will know what a disservice Mr. McNeal has done all the pharmaceutical candidates he mentions by publicly connecting them with this fund.

Mr. McNeal says that the Committee was not elected by the subscribers. That is true, but its constitution was decided upon by the representatives of the Pharmaceutical Society's branches at Leicester, and the Pharmaceutical Society, the Retail Pharmacists' Union, the Drug Club, the P.A.T.A. and the Scottish Pharmaceutical Federation are represented on it. Its composition could not well be more representative. Further, five, and not two, of its members are retailers. We need scarcely say that there is no truth whatever in Mr. McNeal's suggestion that he is "a victim of his policy in the past."

The Committee has one object; to utilise the money entrusted to it to produce the best results. It must therefore satisfy itself that a candidate who is to receive help will give pharmacists the representation they require, and be able to state their case when the occasion arises. It must of necessity incur criticism from those whose requests it refuses, but such criticism is in itself evidence that the Committee is not spending the fund carelessly.

Yours faithfully,

H. N. LINSTAED,

G. A. MALLINSON,

Joint Secretaries.

Business Changes

MAWSON & PROCTOR, LTD., chemists, Grainger Street West, Newcastle-on-Tyne, are opening a branch in Osborne Road, in the Jesmond residential district.

MR. J. CORTEEN, chemist and druggist, is taking over on May 12 the old-established pharmacy at 17 Parliament Street, Ramsey, I.O.M., at present occupied by Mr. A. Nappin.

HARLEY & WATTS, LTD., have acquired the business of Mr. D. L. McClure, chemist and druggist, Drummond Street, Comrie, and are conducting it as a branch of their Crieff business.

MR. GEORGE SIMKINS and MR. E. C. HORMAN-FISHER, chemists and druggists, have purchased the business of Mr. Charles E. Saunders, chemist and druggist, 50 High Street, Highgate, London, N.6, and will trade under the style of "Charles Saunders."

Trade Notes

INSULIN PRICE REDUCTION.—Boots, Ltd., Nottingham, elsewhere in this issue announce reductions in the prices of insulin.

R. TOMLINSON & SONS, Bond Street, Constitutional Hill, Birmingham, specialise in fittings suitable for pharmacies.

KAY BROTHERS, LTD., Stockport, are supplying their Viper flycatchers in new display outers printed in colours and suitable for counter display.

FALLOWFIELD'S PRICE LIST.—Jonathan Fallowfield, Ltd., 61-62 Newman Street, Oxford Street, London, W.1, have issued a new edition of their photographic catalogue.

WHITSUNTIDE HOLIDAY.—Thomas Tyrer & Co., Ltd., manufacturing chemists, Stratford, London, E.15, inform us that their premises will be closed from Friday evening, May 17, to Tuesday morning, May 21.

ALLEN & HANBURYS, LTD., ask us to call the attention of subscribers to the fact that their Bethnal Green factory will be closed on May 20, and that urgent orders can be dealt with at the Vere Street branch, Oxford Street, London, W.1.

PRICE REDUCTIONS.—Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1, refer in their advertisement in this issue to the reduced prices for medicated and adhesive plasters.

EPHEDRIN.—The Crown Chemical Co., Ltd., 120-122 Victoria Street, London, S.W.1, are the sole agents in Great Britain for Chinoin's racemic-ephedrin hydrochloride (synthetic). Epharit Chinoin is chloride of phenol-methyl-amino propanol, and may be obtained through manufacturing chemists.

C. OLEY & SONS, LTD., Camperdown Street, Leman Street, London, E.1, who are manufacturers of every description of sealing device in cork, wood and metal for bottles and barrels, have prepared an illustrated booklet on their products in which there is also an interesting account of the cork industry.

HYPOLOID SODIUM SALICYLATE.—Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C.1, are now issuing Hypoloid sodium salicylate as an alternative sclerosing solution to Hypoloid quinine and urethane solution. The new preparation is issued in strengths of 20, 30 and 40 per cent. in sealed vials of 5 c.c.

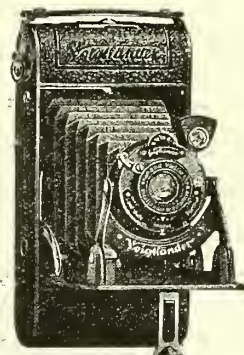
THE ATTENTION of chemists is called to the coloured inset in the advertisement pages of this issue, where will be found particulars relating to Bland's Solution (Bland Products, Ltd., 32 Palmer Street, London, S.W.1), a preparation for sterilising safety razors. After being used for shaving the razor is rinsed, placed in the solution and allowed to remain there until again required.

KU-BIST HAIR FIXATIVES.—Goodall, Backhouse & Co., manufacturing chemists, Leeds, have sent us an advance copy of a folder relating to some special advertising they are about to commence in connection with their Ku-Bist hair fixatives. This advertising is of an unusual character in that it is intended to appeal specially to the motorist and aviator. The text and illustrations which are to appear in the leading journals read by this section of the public are both instructive and humorous. The striking container of these preparations is now sealed with an aluminium topped cork stopper with a milled edge—an improvement which will be appreciated by users of these preparations.



NOLON CREAM.—Robert Blackie, manufacturing chemist, Shen Works, Tower Bridge Road, London, S.E.1, is offering under the title of Nolon Cream a preparation which contains 65 per cent. of liquid paraffin combined with agar agar. There are three varieties available, viz., plain, combined with phenolphthalein and combined with magnesium hydroxide. Further particulars may be obtained on application.

BRIEF reference was made in the *C. & D.*, April 27, p. 506, to the new Voigtlander Bessa camera recently placed on the market in this country by Peeling & Van Neck, Ltd., 4-6 Holborn Circus, London, E.C.1. It is an interesting apparatus in several ways, as apart from its reasonable price and method of self-erection, it has many of the advantages of higher-priced instruments without the accompanying complications. The lens apertures are marked at $f/7.7$, $f/11$ and $f/22$, and there are distinctive markings for "landscapes," "groups" and "portraits." Instead, however, of racking forwards or backwards in the usual way, according to the distance of the subject, the front of the lens itself is turned so that the indicator points to the nature of the photograph to be taken. The body of the camera is of metal and leather covered, the inside of the baseboard having a black crystalline appearance. The front is extremely rigid, in fact, every part of the camera is strongly made and well finished. An attractive cut-out show-card is available for displaying the camera.



Trade Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1929, p. 333.

(From "The Trade Marks Journal," April 17, 1929.)

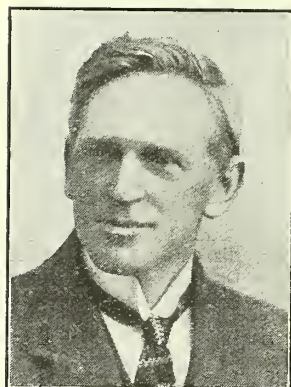
- "VIMALTOL"; for preparations of extract of malt and oil (3) and (42). By A. Wander, Ltd., 184 Queen's Gate, London, S.W.7. 500,226/227. (Associated.)
- "LUNVITRE"; for medicines (3). By G. E. Jones, 40 Doncaster Road, Mexborough, Yorkshire. 500,766.
- "VELDOWN"; for sanitary towels (11). By Veldown Co. Inc., 100 East 42nd Street, New York, U.S.A. 500,804.
- "WELLINGTON"; for photographic paper (39). By Wellington & Ward, Ltd., Boreham Wood, Elstree, Herts. 499,575. (Associated.)
- "HARBECK"; for food substances (42). By Harkness, Beaumont & Co., Ltd., 253 Great Junction Street, Leith. 498,949.
- "MATAZA"; for a preparation of maté for making a beverage. By Schalburg & Co., Ltd., Bank Chambers, London Bridge, S.E.1. 499,021.
- "DU VAR'S CHAPPELINE" with directions, etc. on oval shape; for skin emollients (43). By P. Robinson, 13 Orford Hill, Norwich. B492,555.
- "CREMOLA"; for soap (48). By Calder Soap Co., Ltd., Valley Road, Liversedge, Yorkshire. 495,634.
- "VITECLEN"; for perfumery, etc. (48). By Florence J. Burridge, "Ealing Dean" The Common, Whitechurch, near Cardiff. 497,483.
- "FILMADENT" and "SILVIDENT"; for all goods (48). By Pearlident Co., Ltd., 75 Main Street, Glasgow, C.5. 497,643/549.
- "VELMARA"; for perfumery, etc. (48). By W. Pilkington, 1 Warwick Mansions, Pond Street, Hampstead, London, N.W.3. 499,641.
- "REVUE"; for perfumery, etc. (48). By Cussons, Sons & Co., Ltd., Moor Lane, Kersal, Manchester. 500,000.
- "PREMET" on device of lighthouse; for perfumery, etc. (48). By Société Anonyme Premet, 8 Place Vendôme, Paris. 498,213.
- "DRIZ-O-LENE"; for preparations for preventing rain collecting on glass (50). By The "Lenzo" Chemical Manufacturing Co., 26 Vine Street, Leicester. 499,557.

SODA ASH IN MANCHURIA.—According to a report from Manchuria the Imperial Chemical Industries, Ltd., have approached unofficially the South Manchurian Railway Company recently for a joint enterprise in founding a new soda ash factory. Some experts and officials of the I.C.I. are now on inspection of the salt field status and the Fushun Collieries, and on a study of their report some formal proposition may be made.

Personalities

MR. DUDLEY C. STONE, sales and advertising manager of Gilmont Products, Ltd., 35 Crutched Friars, London, E.C.3, has been elected to the board of directors.

COUNCILLOR CHARLES A. CRITCHLEY, Ph.C., Blackburn, has been appointed a magistrate for the borough. Like



MR. C. A. CRITCHLEY, PH.C.

his father, the late Mr. Thomas Critchley, J.P., Mr. Critchley is an ex-president of the North-East Lancashire Chemists' Association. His work as honorary organiser of the Blackburn Shopping Festival, in 1921, proved remarkably successful. Mr. Critchley was president of the Blackburn Chamber of Trade in 1922-23. He has officiated as judge at a number of shopping festivals in other parts of the country, has attended meetings of the National Chamber of Trade as delegate, and has assisted commerce in other directions. He has travelled a

good deal, has represented St. John's ward on the Town Council for ten years, has served as vice-chairman of the markets committee, and is the new chairman of the electricity committee. He is also chairman of Lancashire Automobile Club.

MR. A. J. FRANKLIN, chemist and druggist (Franklin & Co. (Brighton), Ltd., chemists, Brighton), who has been elected to the Council of the Photographic Dealers' Association (to represent Sussex and Kent), asks us to express his thanks to all those members who supported him.

ALDERMAN DR. G. CLARIDGE DRUCE, F.R.S., recently gave a lecture on Cyprus, before the Limeau Society, in Burlington House, London. The vote of thanks, moved by Sir Sidney Harmer, F.R.S., was carried with great applause. The lecturer showed some beautiful views taken by him, and said he had visited all the important areas and had climbed the highest mountain, where he gathered a special treasure, *Crocus cypricus*, which was discovered there by Professor Sibthorp, of Oxford, in 1787. Dr. Druce also climbed other mountains, gathering over 600 species, of which thirty-five were new to the island.

ALDERMAN W. H. GRIMSHAW, chemist and druggist, who has been appointed a magistrate for the borough



MR. W. H. GRIMSHAW

of Blackburn, is in business as a chemist in Eanam. He is an enthusiast in education and in almost every form of sport. Curling was at one time his favourite pastime, and he was included in the Blackburn Caledonian team which won the Meggat Memorial Shield. For many years he has been a director of the Blackburn Rovers F.C. He entered the Blackburn Town Council in 1917, and in May last year was elected an alderman. He is a vice-chairman of the education committee, a governor of the Girl's High and Grammar

Schools, vice-chairman of the electricity committee, and chairman of the sewage committee. Alderman Grimshaw is treasurer and an ex-president of the North-East Lancashire Chemists' Association. He is also the new vice-president of the Blackburn and District Antiquarian Society.

Births

Notices for insertion in this column must be properly authenticated.

GRAHAM.—On May 4, Mabel, the wife of G. H. M. Graham, M.P.S., Newcastle-upon-Tyne, of a daughter.

Marriages

WILTSHIRE—WILKINSON-NEWSHOLME.—At St. Andrew's Church, Sharrow, Sheffield, on April 25, by the Rev. G. Largie, M.A., Ronald Francis Morey Wiltshire to Kathleen Augusta, youngest daughter of the late Mr. G. T. W. Newsholme, J.P., Ph.C., Sheffield, past-president of the Pharmaceutical Society of Great Britain.

Deaths

COOPER.—At 43 Fernwood Avenue, Streatham, London, S.W.16, on May 6, Mr. Herbert Hudson Cooper, retired chemist and druggist, aged eighty-one. Mr. Cooper was in business for over thirty years at 456 Oxford Street, W.1, as Gould & Co.

HILL.—At Gloucester, on May 4, suddenly, Mr. William Henry Hill, chemist and druggist (Hill & Shaw, chemists, 357 High Street, Cheltenham). Mr. Hill was born at Wolverhampton in 1866; he received his education and served his apprenticeship in his native town, and qualified in 1888. He was afterwards assistant to Anderson & Virgo, Worcester, then branch manager for Mr. Judd at Leamington, coming to Cheltenham in 1893 and taking over the business of Mr. Wilkins at the premises he occupied at the time of his death. Mr. Hill was an original member of the Cheltenham Chemists' Association (founded in 1903): he became secretary and treasurer in 1907, holding these offices until 1914, when he was made vice-president. Elected president in 1915, he occupied the chair until 1921. During the war period Mr. Hill rendered valuable service in the interests of pharmacists in Gloucestershire, and on his retirement from the presidential chair of the Cheltenham Association his colleagues appointed him permanent vice-president. He had also served as chairman of the Gloucestershire Branch of the Retail Pharmacists' Union from its inauguration. His wise counsel was always at the disposal of his *confrères*, and he will be greatly missed. Mr. Hill leaves a widow and three daughters, the eldest of whom is the wife of Mr. R. S. Shaw, chemist and druggist, his junior partner.

LONGDIN.—On May 3, the ashes of the late Mr. J. S. Longdin, chemist and druggist, Scarborough, and his wife, who died in March (*C. & D.*, April 6, p. 412) were taken out to sea, and after a brief service conducted by the Rev. P. R. Watts, vicar of St. Thomas's Church, were committed to the water.

PEGG.—On May 6, Mr. James Alfred Pegg, chemist and druggist, 13 Church Street, Mansfield, aged seventy. Mr. Pegg was apprenticed to the late Mr. S. Potts, who at that time carried on business in Church Street. He commenced on his own account fifty-five years ago. Mr. Pegg was a prominent member of the local chamber of commerce, of which he was vice-president and a former chairman. Mr. Pegg was for six years a member of the Mansfield Town Council: he was also a lifelong member of the Nottingham Road United Methodist Church. He is deeply mourned by local pharmacists.

Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

E/65. Calorphysitine	M/75. Hancol emulsion acid
B/85. Ceramic bath cream	lactate
powder	B/85. Howley's antiphones
F/294. Dr. Weir's (or Weises)	L/64. Leadum ointment
Druine	L/25. Marshall's vegetable
C/65. Fountain brand bis-	oils
mutated magnesia	

Observations and Reflections

By Xrayser III

Our Business

as chemists and druggists being primarily that of sellers of chemicals and drugs, it follows that the supply of photographic, horticultural and agricultural requisites is part of our regular trade and not, as it is customary to suppose, an adoption of side-lines. The same applies to the supply of toilet articles and many other items for dealing in which we are sometimes criticised. This is where I am in agreement with "Hopeful" (*C. & D.*, May 4, p. 555). One must admit, of course, that development of business in the supply of our particular commodities for special purposes is apt to lead to our stocking and selling apparatus and appliances which are outside our original range of commodities; but there is nothing illegitimate about this, neither is there any occasion for us to be apologetic about this development. We are too apt to assume that the sale and dispensing of medicaments constitute the entire legitimate business of chemists and druggists, and to class the rest as trade in side-lines. Nothing could be further from the reality, and a little consideration should convince chemists and druggists that their business is capable of unlimited development on quite regular lines.

Years Ago

it was the fashion for chemists to complain that they did not get enough prescriptions to dispense, and the impression prevailed that if only doctors would cease to make up medicines for their own patients all shortcomings in our business would disappear. At that time there were many chemists' shops where never a prescription was seen; and it was perhaps not unnatural to suppose that, if every doctor wrote prescriptions for his patients and let them get the medicine dispensed by chemists, the business of the latter would be vastly improved. Since then the coming of National Health Insurance has brought us the dispensing of medicines for about one-third of the population, and it seems not unlikely now that doctors may get into the habit ere long of writing prescriptions for all their patients. But we should be ill-advised to let this mask the fact that the supply of medicines, dispensed from prescriptions or not, is only a part of our regular business as chemists and druggists. As "Perdita" puts it (*C. & D.*, May 4, p. 555), the chemist cannot live on dispensing N.H.I. mixtures, pills and ointments; neither can he live on dispensing for private patients. He must recognise that his business is a much more general one. It can only be conducted on profitable lines if the dispensing of medicines is relegated to its proper position as one section of the business, a most important section, but nevertheless not that which is to be depended upon for the means of livelihood.

Branded Bottles

are a nuisance in our business, particularly when the manufacturers of their original contents claim the right to dictate what shall or shall not be done with them after those original contents have been consumed. If the price of a bottle is included in that charged by a manufacturer when he sells it filled, it would seem that the purchaser was free to do what he likes with the bottle afterwards; and that appears to have been the view taken by Lord Pitman in the recent case at Edinburgh (*C. & D.*, May 4, p. 536). It will surprise me, however, if manufacturers generally accept his view of the matter, though I do not see how they can easily get over the difficulty of retaining their rights in bottles for which they charge their customers. As a chemist who has had occasion to protest against having branded bottles brought to him as containers for liquids other than the original contents, I should like to see the branding of all bottles forbidden, unless the manufacturer makes no charge for them when sent out filled and also makes proper provision for having them sent back to him when empty.

The Juxtaposition

of ragweed and ragwort in the *C. & D.* Commercial Compendium provides an illustration of the difficulties found in the specific attribution of trivial names to plants in larger and lesser areas. Ragweed is the kind of name which might arise anywhere in the British Isles and be applied to any plant having an untidy appearance, and the same remark is suitable to ragwort. As a matter of fact, the former is another name for the latter, as was pointed out by Thomas Johnson in his edition of Gerard's Herbal. Ragweed is found in Ireland and in some parts at least of Scotland. An instance of its use over the border is found in Burns' "Address to the Deil," in these words:—

"Wi' you, on ragweed nags
They skim the muirs an' dizzy crags."

The allusion here is to the belief that the fairies at midnight employed this golden-blossomed plant as a means for their rapid transport on their gambols. In some parts of Ireland it is known as the Fairies' Horse. The widespread prevalence of a weed of so striking a mien provoked the nicknaming proclivities of those who had difficulty in escaping its presence. Consequently, ragwort (*Senecio Jacobaea*) boasts almost as great a number of nicknames as any other plant of native growth. Its name of St. James's Wort we may regard as of baptismal origin; it is found throughout a good part of Europe, and has a history of three hundred years or more. The following are, however, racy of the soil: cankerweed, cheadle-dock, cradle-dock, cowfoot, kaddle- or kettle-dock, flydod (? fleedock), dog standard, fizzgigs, scrape clean, ragged jack, ragged robin, yack-yard or yack-rod, stinking alisander, and stinking willie. There are many others with which perhaps many of your readers are familiar. Several North Country names, such as grundiswallow, it shares with the groundsel. Groundsel probably had its origin in the O.E. *grund*—ground and *swelgau*—to swallow, and was appropriately named the groundswallower.

The Greater Part

of the ragwort nicknames are distinctly opprobrious, but there are some others, like staggerwort, which you mention, that indicate that the plant did possess some value in the way of curative properties. For instance, it was called fellow weed, because it was thought to be useful in the treatment of boils, and in Yorkshire it is known as seggrom and seggrum from its use as an application to freshly castrated bulls, which are called seggs in the north. From very early times there has been confusion concerning the different species of *Senecio*. What is now the generic name was in the first instance the Latin equivalent of the Greek *erigeron*, as is made clear by Pliny in the twenty-fifth book of his "Natural History," where, in the quaint phraseology of Philemon Holland, he says "because in the spring it looketh hoarie, like an old greybeard." Pliny himself is not sure which particular species he writes about; he says there is some disagreement among the authorities he has consulted as to the correct description of the herb, and he also tells us that some physicians thought it to be of little, if any, value, while others prescribed it for quite a number of ailments. During more recent times, say, since the sixteenth century, *Jacobaea*, the St. James's wort, has found a place in several treatises, but has not secured sufficient support at any time to be advanced to a prominent place in the *Materia Medica*. About thirty years ago some work was done in the way of testing its value in the treatment of amenorrhœa, and the results were distinctly promising. Only occasionally do the older writers mention that *Jacobaea* has been employed for uterine troubles, notwithstanding that we are told by the old herbalists it is "under the command of Dame Venus." Prosper Alpinus in his "*Medicina Aegyptiorum*" mentions a species of *Erigeron* or *Senecio* as being of service in suppression of the menses. It seems to be a plant worthy an extended investigation.

CATS AND STRYCHNINE.—During the hearing of a recent case in the King's Bench Division of the London High Court, Mr. G. W. Clough, of the Royal Veterinary College, stated that $\frac{1}{10}$ gr. of strychnine was a fatal dose for a cat.

Sal Hepatica

the medicinal saline laxative is in steadily increasing demand through constant medical recommendation.

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P.A.T.A. 1/3 and 2/6 per bottle.

Stock through your wholesaler and write for list of special discounts showing handsome profit.

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PATENTS AND TRADE MARKS.

There are many worrying difficulties to be overcome in connection with the Registration of Trade Marks and the grant of Letters Patent which members of the Retail and Wholesale Drug Trade can avoid by consulting efficient agents who would undertake all the trouble for an inclusive fee and obtain protection in the United Kingdom and abroad. Advice in the first instance free. Pamphlets gratis.

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In response to numerous enquiries we wish to inform the trade that

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TINCTURE TABLETS

MATTHEWS LABORATORIES, LTD., CLIFTON, BRISTOL, ENG

REYNOLDS & BRANSON, LTD.

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Editorial Articles

To What Purpose?

THE recent abortive prosecution of two firms of retail chemists for selling "Orange Quinine Wine," "deficient by 17 per cent. in quinine hydrochloride, and entirely deficient in orange wine" (*C. & D.*, April 27, p. 495), serves once again to emphasise the demand frequently made in these columns for a drastic reform of the stupid system that has so far obtained of trying to prevent adulteration by instituting prosecutions based upon tactics such as were disclosed in these two cases. The learned magistrate at Old Street Police Court was, happily, quick to see the true inwardness of the matter; and although in dismissing the summonses against both defendant firms he based his decision upon the finding that there had been "misunderstanding between the parties," we find it a little difficult to believe that the prosecuting authority were so ill-informed as not to know that there is no such article as "orange quinine wine" in the B.P., or that the "quinine wine" of the B.P. can be purchased for 1s. 6d. per bottle. But that is not all. The inspector who made the purchases (or caused them to be made) stated in his evidence in the first case that when he unwrapped the bottle he saw that it was labelled "Orange Quinine Tonic." That fact, coupled with the significant fact that only 1s. 6d.—less than half the proper value of the same quantity of vinum quinae, B.P.—had been paid for it, conceivably might not have conveyed very much to the mind of the inspector; but if (as we presume is the practice in Bethnal Green) he reported the matter to his superior at the office of the Council by whom he was employed, the question may very well be asked why the needless process of analysing the "tonic" was gone through at all, and why these ridiculous police-court proceedings were ever instituted. Are we to understand that there was and is nobody with sufficient authority at Bethnal Green to put an official foot firmly down upon this sort of nonsense and waste of public money? Is there so little adulteration going on within that borough that it has become necessary to make a show of activity in administering the Adulteration Acts by futile proceedings of this type causing infinite annoyance to tradespeople carrying on their business in a perfectly legitimate manner? We cannot gather, from the report of these particular cases, whether costs were allowed to the defendant firms; but we hope they were. Some day, perhaps, the law will be altered so as to give to successful defendants in such cases the same right to have their costs paid by the prosecutors as they would have in a civil action brought against them. And some day, perhaps, we shall get a general reform of procedure for dealing with adulteration. The "sniping" policy we have often protested against as being the present-day method of dealing with chemists is utterly out-of-date. The modern chemist and druggist is not a fraudulent rogue, only to be caught by counter-rogue and tricks of nomenclature. He is a highly educated professional man, whose interest it is to supply goods of pure and genuine quality. He ought not to be exposed to the charge of being a fraudulent rogue upon evidence such as was offered in the Bethnal Green cases. We agree,

of course, that in the public interest there should be a check both upon deliberate misrepresentation and upon carelessness—the latter especially—since much of the work in a pharmacy must necessarily be done by assistants; but why should not a pharmacist be dealt with by members of his own profession, as a solicitor, for example, against whom complaint is made is dealt with? If cases such as those at Bethnal Green had been referred to a pharmaceutical disciplinary committee, we venture to say they would have been placed in proper perspective. There ought to be such a committee to act as a court of first instance in these matters; and only when the honour of the profession has clearly been besmirched to the injury of the public should police-court proceedings be authorised.

The Position of Cadmium

DURING recent weeks a more regular and broader demand has been shown for cadmium metal at from about 4s. 1d. to 4s. 3d. per lb., according to quantity, for spot delivery. This improvement in market conditions began towards the end of February last at a time trade buying was still confined to small lots or for actual needs, in consequence of the decline which set in about a month previous under increased competition from the Canadian product. Under date of January 5 last (*C. & D.*, pp. 17-8) allusion was already made to the Canadian consignments to London, which had assumed notable dimensions, but the trade demand then was still very light and the bulk of the arrivals from Australia were also being quickly absorbed by the fulfilment of outstanding contracts. Owing to fears of the continued scarcity of spot metal consumers had been very eager to anticipate their needs well ahead and the price for immediate delivery rose to fully 4s. 8d. with small lots selling as much as 4s. 10d. per lb. Based on reports of increasing production, however, we suggested that the latter would be ample for current needs. Demand subsequently gradually slackened and the retrograde movement was to some extent accelerated by offers of re-sales down to about 3s. 9d., but on this basis the freer supplies coming forward have been steadily absorbed, and this led to a recovery of 5d. to 6d. per lb. Owing to the increased rate of consumption, supply and demand are fairly well balanced, for the time being at any rate, with no apparent undue competition between Australian and Canadian selling agents on this market. It has been even suggested that an understanding has been arrived at in order to guard against price-cutting and thus preserve market stability as far as possible. Such an understanding would in some way be facilitated by the fact that the United States, the largest producing country, exports but little cadmium, if any, on balance, while, as a matter of fact, she is absorbing a fair proportion of the Canadian output, and the metal is even selling there on somewhat better terms than obtainable in London. The United States' share in the total world's production is not far short of 50 per cent., but this ratio tends to diminish since the advent of Canada as the second largest producer within a comparatively short space of time. Indeed, it was only in March last year that the plant of the Consolidated Mining and Smelting of Canada at the Trail (British Columbia) was put into operation and very satisfactory results have been secured. This is borne out by the fact that the plant produced in the past year nearly 250 tons of high-grade cadmium in bars and sticks, analysing 99.9 per cent. minimum. Possibly the rapid development of the output may be due in some degree to the considerable quantities of residues which that concern had accumulated for some time previous at its electrolytic zinc refining plant. The world's production is now estimated at over 1,050 tons per annum, or considerably more than about a year ago. Its further extension, however, is somewhat problematical, as the

output of zinc is kept under a certain restriction, at least so far as the European Zinc Cartel is concerned. But apart from this, there is, of course, a possibility of the recovery of cadmium, which has heretofore varied up to about 50 per cent. of the metal contained in zinc ores or residues, being improved upon in time by more scientific methods of treatment. To that extent, at any rate, the output is apt to be enlarged. Were the whole of the cadmium recoverable in the quantities of zinc ores available or treated, the world output would almost be doubled. Incidentally the fact may be mentioned that some time ago it was reported that the Electrolytic Zinc Co. of Australia hoped to be able eventually to double their cadmium output, secured from their plant at Risdon. This, however, would hardly be possible except by the adoption of a new process for treatment. The production of cadmium by zinc producers on the Continent has been comparatively small of late years, and the fact that some few years ago the selling price of the metal was no better than about 1s. 9d., compared with over 7s. per lb. over the war-period, evidently tended under more or less antiquated methods to discourage the special treatment of the zinc ores and residues. New zinc smelting plants, however, are understood to be commencing operations on behalf of American-German interests in Upper Silesia for the production of electrolytic zinc, and there is little doubt that efforts will be made to restore the winning of cadmium as far as possible. Provided the price of this product is not raised unduly there should be a further growth in the outlet.

Wills

MR. THOMAS SIME, 58, Marchmont Road, Edinburgh, left estate valued at £6,736 gross.

MR. CHARLES HENRY DERBYSHIRE, chemist and druggist, Malvern Link, left gross estate valued at £8,413.

MR. ALEXANDER SUTHERLAND, chemist and druggist, High Street, Dumbarton, has left personal estate valued at £4,049.

MR. PAUL DVOROVITZ, D.Sc., M.Ph., M.S.C.I., of 10 Marloes Road, Kensington, W., left estate of the gross value of £4,456 4s. 11d., with net personalty £2,890 1s. 2d.

MR. RICHARD VIVIAN, of 23 Morrab Road, Penzance, Cornwall, chemist and druggist, left estate of the gross value of £2,171 6s. 3d., with net personalty £2,130 19s. 6d.

MR. SAMUEL HAYDEN JONES, of 189 Breck Road, Everton, Liverpool, retired drug store proprietor, who died on January 17 last, left £2,989 16s. 4d., with net personalty £2,939 5s. 1d.

MR. JAMES WALKER, Ph.C., of Ballynabinn, co. Down, who died on September 18 last, aged 67 years, left personal estate in Great Britain and Northern Ireland valued at £11,625 14s. 10d.

MR. JOHN MILLER, of 4, Victoria Road, Brighton, Sussex, chemist and druggist, who died February 17 last, left estate of the gross value of £9,754 17s. 10d., with net personalty £8,502 8s. 1d.

MR. WILLIAM GEORGE MCKELLAR, of Southfield, 51 Bank Street, Irvine, N.B., chemical manufacturer, who died on January 6 last, left personal estate in Great Britain valued at £8,147 12s. 9d.

MR. WILLIAM HARSANT BUTLER, of Priory Road, High Wycombe, Bucks., retired chemist and druggist, who died on February 26 last, aged 78 years, left estate of the gross value of £2,140 4s., with net personalty £1,262 2s. 3d.

MR. WILLIAM BURNETT, of 8 Evelyn Terrace, Craigie, Perth, chemist and druggist, late of Gatooma, Rhodesia, who died on November 7 last, aged 57 years, left personal property in Great Britain and Southern Rhodesia valued at £1,284 18s. 9d., and administration thereof has been granted to Miss Agnes Burnett, of 8 Evelyn Terrace, Craigie, and Miss Catherine Burnett, of 6 Brook Street, Hanover Square, London, W.

Pharmaceutical Society of Great Britain

Examination Results

THE following are the results of the examinations held in Edinburgh in April:—

	No.	PRELIMINARY SCIENTIFIC				CHEMIST AND DRUGGIST QUALIFYING			
		Absent	Failed	Referred	Passed	Absent	Failed	Referred	Passed
Entered for whole examination ..	1	0	0	1	0	0	0	0	0
Entered for C. and D., and referred subject in Prelim. Sc. ..	2	0	0	0	2	1	0	0	1
Entered for Prelim. Sc. only ..	249	1	35	64	149	—	—	—	—
Referred subject in Prelim. Sc. only ..	45	1	0	11	33	—	—	—	—
Entered for Chemist and Druggist only ..	142	—	—	—	—	7	26	42	67
Referred subject in Chemist and Druggist ..	34	—	—	—	—	1	0	4	29
	473	2	35	76	184	9	26	46	97

Referred in one subject:—Botany, 31; chemistry, 45; pharmacognosy, 2; pharmacy, 40; pharmaceutical chemistry, 4; total, 122.

PRELIMINARY SCIENTIFIC AND CHEMIST AND DRUGGIST QUALIFYING EXAMINATIONS

The following has passed the Preliminary Scientific and Chemist and Druggist Qualifying Examinations, and has been registered as a chemist and druggist:—

Keddie, William B., Innerleithen.

CHEMIST AND DRUGGIST QUALIFYING EXAMINATION

The following, having satisfied the examiners in this examination, have been registered as chemists and druggists:—

Barrass, R. G., Doncaster
Barton, J. H., Bolton
Baugh, R. G., Birmingham
Blakeley, Marjorie L., Bristol
Braithwaite, H., Clitheroe
Brunton, Scott, Leith
Bullen, Flora, Leith
Campbell, E. S., Southport
Catterick, T., Jarrow-on-Tyne
Charlton, W. M., Harrogate
Couper, Chrissie J., Cromarty
Coutts, T., Aberdeen
Dempster, C. C. V., Dumfries
Dobson, A., Manchester
Durkin, C. A., Liverpool
Eadie, Mary, Leeds
Fleming, D. B., Barrow-in-Furness
Forster C. E., Darlington
Furness, H. A., Consett
Gardner, R. F., New Longton
Gibson, R. K., Portobello
Gould, J., Thornaby-on-Tees
Govan, W. H., Jedburgh
Gray, D., Edinburgh

Hall, E. E., Bradford
Harbin, G. L., Southsea
Hardy, W. H., Forest Hall
Harvey, R., Edinburgh
Hay, J. H., Cockburnspath
Humble, T. H., Newcastle-on-Tyne
Inglis, Elsie, Edinburgh
Jackson, M., Bradford
Johnston, J. C. C., Leith
Laing, A. B., Edinburgh
Leach, A. E., Birtley
Leach, S. F., Dewsbury
Learmond, J. M., Edinburgh
Lees, A., Stonehaven
Levy, Sadie, Liverpool
Lundie, J., Dunfermline
McCheyne, Mary, Edinburgh
McCorquodale, J., Edinburgh
McDowall, R., Edinburgh
McGregor, W., Motherwell
Mair, J. N., Buckie
Mason, L. B., Leeds
Menzies, Mary M., Perth
Meston, W. M., Stirling
Midgley, L., Huddersfield
Milliken, Agnes, Grange-mouth

Muil, A. M., Musselburgh
Murray, T. R., Chopwell
Newby, H. F., Barrow-in-Furness
Nicholson, R., Bradford
Oates, H. H., Leeds
Ogle, M. H., Pocklington
Pearson, H., Bolton
Peel, R., Keswick
Pennington, J. H., Liverpool
Phillips, H. I., Liverpool
Pickard, Kathleen G., Ossett
Pike, S. R., Liverpool
Poulter, E., Bradford
Puckrin, T. E., Whitby
Ramsay, Jeanie H. B., Portobello
Ranson, R., Darlington
Ridsdale, J. P., Rotherham
Robbie, Ethel M., Kirriemuir
Roberts, A. W., Whitehaven
Robinson, H. S., Manchester
Robinson, N. W., Southport
Rollinson, L., Huddersfield
Rushbrook, S., Hull

Scott, A. M., Causewayhead
Smith, A. J., Bathgate
Smith, D. R., Morpeth
Smith, W. R. A., Doncaster
Snowden, H., Bingley
Stead, G. W., Bradford
Steedman, R. R., Edinburgh
Symon, Nellie M., Errol
Taylor, P. G., Edinburgh
Teasdale, C., Barnsley
Thompson, E., York
Thomson, D., Larbert
Thornton, G. E., Guisborough
Waddingham, I. E., Bradford
Walker, F. J., Castle Douglas
Wilkinson, A. C., Durham
Wilkinson, H., Thornaby-on-Tees
Wilson, A., Whitley Bay
Wilson, J. F., Wylam-on-Tyne
Wilson, W. L., Muirkirk
Woffindin, R., Dewsbury
Wolfe, W., Birkenhead
Young, H., Keighley

Examination Changes

We have received from the Pharmaceutical Society a copy of the following circular which has been issued to approved schools of pharmacy:—

You will be aware that in the examination in October next and subsequent examinations new methods of examining are, in accordance with the regulations, to be introduced. The principal changes will be the following:—

In Botany.—One three hours' written paper and one three hours' practical examination in place of an oral examination.

In Chemistry.—One three hours' written paper and one three hours' practical examination in place of an oral and a practical examination.

In Physics.—One three hours' written paper and one two hours' practical examination in place of an oral examination.

In Pharmacy.—One three hours' written paper, one three hours' practical examination and an oral examination of about twenty minutes in place of a written and a practical examination.

In Pharmacognosy.—One three hours' written paper and an oral examination of about half an hour in place of an oral examination.

In Pharmaceutical Chemistry.—One three hours' written paper and one three hours' practical examination in place of an oral and a practical examination.

In Forensic Pharmacy.—One three hours' written paper in place of an oral examination.

It will be seen that the Preliminary Scientific examination will last three days, made up of one and a half days' written and one and a half days' practical examinations. The Qualifying examination will last three and a half days, made up of two days' written, one day's practical and half a day's oral examinations. The practical and oral examinations will be held in London and Edinburgh only, as at present: the written examinations will be held at the option of candidates at the following centres:—London, Manchester, Bristol, Birmingham, Sunderland and Leeds (or failing Leeds, Nottingham); and Edinburgh, Glasgow, Aberdeen and Dundee. This opportunity is taken of calling your attention to the provision of the examination regulations that a person entering for the examination in October, 1929, and for subsequent examinations must produce evidence that his attendance at an approved course of instruction for the Chemist and Druggist Qualifying examination either (1) was completed by August 1, 1929, or (2) began after he passed the Preliminary Scientific examination or after passing in two subjects and being referred in the third. I should be grateful if you would arrange for these changes to be made known to students affected by them.

British Pharmaceutical Conference

The following papers have been received or promised. The secretaries will be glad to hear from members who are desirous of contributing papers. Authors are reminded that the last date for receipt of MS. is May 25.

- (1) "Some Notes on the Determination of Nitrates in Bismuth Carbonate," by G. J. W. Ferrey, B.Sc., A.I.C.
- (2) "The Problem of Substitution in the Benzene Nucleus," by F. Arnall, Ph.D., M.Sc., F.I.C., and Thomas Lewis, Ph.C.
- (3) "The Petroleum Spirit Test for Castor Oil," by T. Tusting Cocking, F.I.C., and S. K. Crews, A.I.C.
- (4) "The Oxidation of Ether," by F. C. Hymas, B.Sc., A.I.C., and G. Middleton, B.Sc., A.I.C.
- (5) "Photochemical Methods for Testing Sources of Ultraviolet Radiation," by F. C. Hymas, B.Sc., A.I.C.
- (6) "A Note on Extract of Gentian," by H. Davis, Ph.C.
- (7) "Tests for Anaesthetic Ether," by S. G. Liversedge.
- (8) "The Use of Aldehydes and Dihydroxyacetone in the Detection and Differentiation of Phenols," by Alan H. Ware, Ph.C.

Award of the Hanbury Medal

The adjudicating committee has awarded the Hanbury Medal "for high excellence in the prosecution or promotion of original research in the natural history and chemistry of drugs" to Professor Henry Hurd Rusby, M.D., Professor of Materia Medica in the College of Pharmacy of the Columbia University, New York. Professor Rusby also holds the post of Pharmacognosist to the Port of New York, and is the director of the New York Botanical Gardens. He has done much original field work in the discovery of new botanical and pharmaceutical specimens. He has explored New Mexico, Arizona, Bolivia, Brazil and Venezuela in search of new drugs, and in 1917 he led an expedition into Colombia to search for new sources of quinine yielding barks for the allies. He is the author of several books on botany and pharmacognosy, and of a large number of research papers.

The award was made by a committee consisting of the president of the Linnean Society (Sir Sidney Harmer, F.R.S.), the president of the Chemical Society (Professor J. F. Thorpe, F.R.S.), the president of the Pharmaceutical Society of Great Britain (Mr. H. Skinner), the chairman of the British Pharmaceutical Conference (Mr. R. R. Bennett), and Mr. A. R. Melhuish. It is understood that Professor Rusby will come to England in October to receive the award.

Branch Meetings

Bath.—A meeting of the Bath and District Branch was held on May 24 for the purpose of hearing an address on *Pharmacy in Relation to N.H.I. Dispensing*, by Mr. A. L. Taylor, Ph.C. Mr. Taylor's paper proved interesting and instructive, and evoked a discussion in which the majority of those present joined. Mr. L. Wilson proposed a vote of thanks to Mr. Taylor, and this was carried with acclamation.

Brighton.—A meeting of the Brighton, Hove and District Branch took place recently. Mr. John Plowright in the chair. The chief business of the evening was the election of officers as follows:—*Chairman*, F. W. Burgess; *Vice-Chairmen*, H. B. Mackie and J. Plowright; *Treasurer*, H. R. Gwatkin; *Secretary*, L. D. Franklin; *Committee*, D. H. Cripps, L. Banks, A. Guy, F. A. Thomas, R. R. Lawrence, G. W. Hands, W. A. Tucknott (Newhaven), J. E. Jagger (Shoreham), E. A. Proctor (Rottingdean). Refreshments were served and a musical programme was rendered. The chairman then thanked all the officers for their past services, particularly Mr. Burgess, who had been secretary since the inception of the Branch.

Cheltenham.—A general meeting of the Cheltenham and District Branch was held on April 12. Mr. H. Burton Clark in the chair. Mr. W. J. Beardsley, member of the Council, gave an address on *The Pharmaceutical Outlook*. In dealing with the work of the various committees Mr. Beardsley said that if only greater pub-

licity could be given to the general work of members of the Council less criticism would be offered. Honest criticism was at all times welcome, and he and his colleagues were always pleased to give an account of their stewardship to the branches. It was necessary that all branches of the craft should place at the disposal of the Society the best men, and the recognition of the training of apprentices in wholesale laboratories for the qualification of the Society Mr. Beardsley was sure was a step to this end. Pharmacy, and the practice of pharmacy, was the right of the qualified chemist, and he hoped that all attempts on this privilege by the sale of drugs by grocers or automatic machines would be condemned. It was necessary in the public interest not to allow even the most harmless drugs to be sold and dispensed except by those who were fully conversant with their properties.

Leeds.—The annual "Students' Evening," a joint meeting of members and student-associates of the Leeds District Branch, took place on April 25. Mr. G. C. Crummack, chairman of the branch, presiding. In opening the meeting, the chairman paid tribute to the work done for pharmacy by Mr. H. Gilleggan, and congratulated that gentleman on his elevation to the chairmanship of the R.P.U. A vote of congratulation to Mr. Gilleggan was moved by Mr. J. H. Beacock. Mr. Gilleggan briefly thanked the gathering for its good wishes. Mr. J. Lancaster, formerly dispenser at the Leeds General Infirmary and the Leeds Public Dispensary, gave an address on *Dispensing Points and Problems*, in which he spoke of many factors which the young pharmacist needs particularly to bear in mind in daily work. Mr. J. F. Simon, chemist to Goodall, Backhouse & Co., gave a brief talk on *Opium*, followed by a short paper, *A Day's Work in an Analytical Laboratory*, which was of particular interest in view of the problem as to whether training in the wholesale trade might be sanctioned officially. A paper on *Display*, by Mr. P. Dobson, was illustrated by full-sized window display settings. The speaker showed also a number of photographs of successful displays to emphasise his points. Thanks were voted to the contributors of the papers.

Mansfield.—A meeting of the Mansfield Branch was held on May 1. It was unanimously resolved that the name of the new Association be "The Mansfield and District Branch of the Pharmaceutical Society." Mr. A. R. Jesson was appointed *Chairman*; Mr. R. E. Naylor, *Vice-Chairman*; Mr. A. R. Jesson, *Treasurer*; Mr. R. J. Smith, *Secretary*. Regret was expressed at absence of Mr. J. A. Pegg owing to illness. A vote of thanks was proposed to Mr. W. Owen Pegg for his services as secretary to the Chesterfield and Mansfield Branch for the past eight years.

Portsmouth.—At a recent meeting of the Portsmouth Branch, Mr. J. W. Rogers introduced the chart used by the chemists of the Eastbourne district, which was stated to be working very satisfactorily. After discussion, which showed the members to be in agreement that something of the kind was required, the matter was referred to the trade section committee for a similar scale suitable to the district to be drawn up, this scale of charges to be introduced to the members at a meeting.

Preston.—The annual meeting of the Preston Branch was held on April 23. The following officers were elected for the year:—*Chairman*, Mr. J. W. Walmsley; *Secretary*, Mr. J. Dunn; *Treasurer*, Mr. W. B. Pomfret. Mr. H. Myerscough was re-elected *Benevolent Fund Secretary*. During a discussion on *Parliamentary Representation*, Mr. Livesey proposed that a sum of £5 be granted to the Parliamentary Fund from the Branch Funds. This was carried unanimously.

Sheffield.—At a meeting of the Executive Committee of the Sheffield and District Branch of the Pharmaceutical Society, Mr. W. A. Bellamy (Barnsley) presiding, the resignation of the secretary, Mr. J. H. McConnachie, was accepted, and it was decided that it be recorded on the minutes the valuable services rendered for several years to the Branch by Mr. McConnachie. Mr. Kirman, 49 Church Street, Sheffield, was elected secretary *pro tem*. It was decided to hold the annual meeting on June 6, and that in future the annual general meeting be held on the first Thursday in June.

Corner for Students

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C.4."

Report on the April Analytical Exercise

THE powder distributed to students on April 9 contained one part by weight of silver nitrate, five parts of lead nitrate, and four parts of barium nitrate. The calculated composition of such a mixture is:—

Ag.	...	...	...	...	6.3
Pb.	...	...	...	...	31.3
Ba.	...	...	...	...	21.0
NO ₃	...	...	...	...	41.4
					100.0

Samples of the powder were distributed to twenty-four students, and five reports of analysis were sent in for examination. Lead and the nitric acid radical were detected in each case, but one student missed the silver and one missed the barium. Constituents reported, which were not really present, included mercury and aluminium and the radicals of carbonic, sulphurous, sulphuric, and phosphoric acids.

Although this was not a difficult exercise, a successful analysis necessitated, as is so commonly the case, due care at certain stages where attentive observation was as important as correct procedure. Thus in testing whether the silver-group precipitate was or was not wholly dissolved by boiling water, casual observation and a perhaps too hasty decision could easily lead to error regarding the presence or absence of silver. Again, the fact that lead chloride was present abundantly in the silver-group precipitate pointed to the certainty that, provided the conditions were appropriate, some lead sulphide would be precipitated by hydrogen sulphide in Group II, and to the necessity for ensuring these conditions; and, moreover, for securing as complete precipitation of the lead as possible at this stage in order to obviate its interference and the probability of its giving rise to erroneous conclusions concerning subsequent groups. Absence of much free acid and thorough saturation with hydrogen sulphide in the cold were the requirements for satisfactorily dealing with the filtrate.

In connection with the examination for a possible small proportion of silver in presence of much lead, we venture to repeat a simple test mentioned in this column on a previous occasion, which may sometimes be helpful. The substance to be examined may be treated on a small scale with a not too dilute solution of ammonia, and a few drops of the filtered liquid may then be dried upon a strip of white writing paper and the paper exposed to daylight—preferably to bright sunlight—either in the open air or at any rate in a place remote from a chemical laboratory, where the total absence of hydrogen sulphide is assured. If the ammoniacal extract contained silver in solution, the darkening due to the reduction of the silver by the organic matter of the paper in the presence of light, will make its appearance after a period depending upon the intensity of the light—a few minutes sometimes sufficing. Although a negative result is not a proof of the absence of silver from the original substance (since all silver compounds are not dissolved by solution of ammonia), a positive result is reliable, provided the formation of silver sulphide by the action of hydrogen sulphide has been prevented. Immediate darkening, due to the action of ammonia upon a mercurous compound, must not be mistaken for slow darkening due to silver.

PRIZES

The First Prize for the best analysis has been awarded to:—

REGINALD V. MOORE, 71 Artisan View, Heeley, Sheffield.

The Second Prize has been awarded to:—

RONALD WILLIS WATSON, 28 Napier Terrace, Walsoken, Wisbech, Cambs.

First Prize.—Any scientific book that is published at a price not greatly exceeding fifteen shillings may be taken as a first prize.

Second Prize.—Any scientific book which is sold for about seven shillings and sixpence may be taken as a second prize.

The students to whom prizes are awarded are requested to write at once to the publisher, naming the book or books they select.

MARKS AWARDED FOR ANALYSES

R. V. Moore (1st Prize)	98	Sodii Salicyl	...	...	83
R. W. Watson (2nd Prize)	96	Percy	...	...	76
		Rural	...	...	63

TO CORRESPONDENTS

R. V. MOORE.—Bear in mind that lead is never completely separated as chloride in Group I. Lead chloride is quite appreciably soluble in cold water and also in aqueous solutions containing free hydrochloric acid, although the latter tends to diminish its solubility.

R. W. WATSON.—Since you found that the powder dissolved easily and completely in water, and that it contained both silver and barium, the absence even of traces of hydrochloric and sulphuric acid radicals might have been assumed without further examination. It was scarcely safe to assume that potassium was absent from the evidence of the flame test as applied to the original powder only. Potassium should be looked for in the filtrate from the barium-group precipitate.

SODII SALICYL.—Presumably you used tap water as a solvent for the original powder and thereby introduced chloride or sulphate or both in small quantity. The powder dissolved completely in distilled water. You should have endeavoured to confirm the residue of the Group II precipitate as consisting of mercuric sulphide: the mere fact of your observing a residue was not sufficient evidence. Phosphate should be tested for in the filtrate from Group II.

PERCY.—You report the addition of ammonium chloride as group reagent for the barium group. This may be a slip in writing only, and you may have intended to write ammonium carbonate, but the fact that you failed to obtain a precipitate of barium carbonate seems to indicate that you used the wrong reagent. On the other hand, when you added sodium phosphate in testing for magnesium, a precipitate of barium phosphate should have been obtained in the liquid from which you had failed to precipitate the barium.

RURAL.—There must have been a residue of silver chloride after washing the Group I precipitate with hot water. The precipitate which you supposed to consist of aluminium hydroxide was actually due to lead which had escaped precipitation in Group II.

THE ANALYTICAL TOURNAMENT

The exercise reported upon in the foregoing is the concluding one of the Tournament Series for the present session, and we are now able to announce the results. Although 32 students in all took part in the competition, only two of these complied with the conditions of the tournament by submitting reports on all six of the exercises set, and accordingly the first and second of the three special prizes offered in November last fall to these two competitors. It was noted with regret that numerous students who began with the first exercise, and whose work was quite promising, failed to persevere to the close of the competition.

The first prize of books to the value of £3 3s., with a certificate of honour, falls to "Roggs" (Mr. Reginald W. Moore, 71 Artisan View, Heeley, Sheffield), whose aggregate is 515, made up of 87, 94, 72, 80, 84 and 98.

The second prize of books to the value of £2 2s., and a certificate of honour, are taken by "Percy" (Mr. Walter Percival, 56 Worsley Road, Walkden, Manchester), with an aggregate of 453, made up of 75, 90, 63, 75, 74 and 76.

We congratulate these prize-winners on the successful results of their perseverance throughout the competition, and we thank them and all the other students who sent in reports upon the individual exercises. We shall be glad if the prize-winners will communicate at once with the Publisher, naming the books they desire.

Merchandise Marks Act

IMPORTED GLASSWARE

A BOARD of Trade Committee under the Merchandise Marks Act, 1926, began an inquiry on Monday, April 29, at the offices of the Board of Trade in London, into an application for the marking with an indication of origin of:—

Domestic, fancy and illuminating blown glassware of all descriptions (other than electric lamp bulbs);

Pressed glassware of all descriptions;

Bottles, jars and other containers of glass;

Lamp blown ware and scientific glassware of all descriptions, including tubing and rod.

The Committee consisted, as usual, of Sir H. Llewellyn Smith, K.C.B. (chairman), Mr. F. N. Barnes and Mr. F. R. Davenport. Since the original application was lodged, however, it has been decided to deal with lamp blown ware and scientific glassware of all descriptions, including tubing and rod, as a separate application, the date of hearing of which has not yet been fixed. Thus the Committee was concerned only with the first three headings. The applicants are the Glass Manufacturers' Federation, the British Flint Glass Manufacturers' Association, and the Northern Association of Pressed Glass Manufacturers, who are, however, supported by other trade associations and the trade unions concerned, as well as a number of firms who are not members of the various Associations concerned in the application.

Mr. WETHERED (barrister) appeared for the applicants. The principal opponents were the China and Glass Ware section of the London Chamber of Commerce, and some groups of British manufacturers, who were represented by Mr. A. Comyns Carr, K.C., Mr. L. Macaskie and Mr. Horace Samuel, this opposition being in respect of all three sections of the present inquiry. At the same time there is opposition in regard to specific items by the Chloride Electrical Storage Co., Ltd., the Perfumery Manufacturers' section of the London Chamber of Commerce, the Infants' and Invalids' Foods Manufacturing section of the London Chamber of Commerce, the Electrical Importers' and Traders' Association, and others.

Mr. J. W. MORRIS appeared for the Food Manufacturing Federation and the Manufacturing Confectioners' Alliance in respect only of the application concerning glass bottles.

Mr. HAILWOOD, of Hailwood & Ackroyd, Ltd., manufacturers of both blown and pressed glass, has asked to be allowed an opportunity to give evidence on behalf of his firm, and this request has been granted, subject to the evidence he proposes to give not duplicating that already given.

At the outset Mr. MACASKIE on behalf of the opponents raised the preliminary point that the marking of glass containers in the manner asked for by the applicants would involve an infringement of the Merchandise Marks Act of 1887, which provides against false trade descriptions being given to goods sold or offered for sale to the public. His argument was that if a glass container coming from abroad was marked as being foreign the obvious inference on the part of the buying public would be that the contents of the container were also foreign, and therefore such a procedure would render anybody offering for sale a foreign glass container filled with British solids or liquids liable to prosecution for applying a false trade description to the articles.

The CHAIRMAN said the Committee did not take the view put forward by Mr. Macaskie, and the case must be argued on its merits as to whether it was possible to get over the difficulty suggested in any way by the drafting of the Order, if made. He agreed that there would be confusion in the manner indicated, but suggestions would have to be made to avoid that if necessary.

CASE FOR APPLICANTS OPENED

Mr. WETHERED dealt first with the application as regards glass bottles and containers, and said that the applicants as a whole represent the glass industry of the United Kingdom, with the exception of that relating to sheet and rolled glass, electric lamp bulbs, and, to a

certain extent, chemical and scientific glassware. The Glass Manufacturers' Federation consisted of fifteen manufacturers of glass bottles and containers, fourteen of whom supported the application, which was also supported by a large number of firms not members of the Federation, as well as by the trades unions. The application in all cases was for a Marking on Importation Order. In the main the glass bottles and containers were made by automatic machinery, although there was still some bottles made by hand and others were made on semi-automatic machinery, and the reason for the request for a marking Order was that so many of these articles were imported which could not be distinguished from the British-made article, often not even by the expert, and certainly not by the ordinary public. Hence it was a simple matter for the public to be deceived, and it was the view of the British manufacturers that the public should be given the opportunity of knowing whether what they were buying was British or foreign. The application, however, was only for bottles coming in from abroad empty, and was not in respect of bottles imported filled with solids or liquids. The Board of Trade figures for the importation of glass bottles and containers were as follows:—

	1922.	1923.	1924.
Gross ...	1,180,185	1,089,458	1,385,540
Value ...	£963,704	£826,707	£901,113
	1925.	1926.	1927.
Gross ...	1,342,675	1,575,689	1,627,267
Value ...	£857,751	£1,002,237	£949,545

It would be seen that the numbers imported were increasing. It was claimed that the applicants represented 85 per cent. of the home manufacturers, and the complaint was that the majority of the imported bottles have no mark of origin of any kind and that certainly the buying public could not distinguish between the British and the foreign article, although he agreed with Mr. Barnes (a member of the committee) that the large buyers who buy direct from the manufacturers are aware whether they are buying foreign or British. An importation Order was asked for because it was felt that any label stuck on the bottles for the purpose of sale could easily be washed off. On the other hand, to mark the bottoms of the bottles—as was suggested—with an indication of the country of origin in the mould at the time of manufacture was an extremely simple and cheap method, the cost of the alteration in the mould being but a few shillings, and the mould be capable of making many thousands of articles before renewal.

A large number of British-made and foreign-made bottles were placed before the committee to indicate how difficult it is to distinguish between them. On the other hand, a sample of a small Bovril bottle was shown to the committee embossed on the base with the words "Bottle made in England," as an indication that this form of marking can be carried out. This particular bottle, as a matter of fact, is made in this country, and has to be so marked to comply with the American Customs requirements. Further, said Mr. Wethered, to get over the objection as to the contents, raised by Mr. Macaskie, it would be a simple matter to mark the bottles "Bottle made in — contents British." The Glass Manufacturers' Federation, he added, was mainly concerned with empty bottles coming into this country, and as regards the possibility of filled bottles being imported—such bottles not being required to be marked under the application—and then filled with something else and sold in this country, Mr. Wethered said it was likely that it could be argued that such bottles were secondhand, and, therefore, did not come under the Merchandise Marks Act. At any rate, he was not very much concerned about that, and, in the same way, it was believed that the re-export trade was infinitesimal.

Evidence was called as regards glass bottles.

Mr. W. A. FOSTER, joint managing director of Foster's Glass Co., Atlas Works, St. Helens, confirmed the general statement made by Mr. Wethered.

Mr. BARNES pointed out that whereas the number of bottles imported had increased during recent years, the value had fallen.

(To be continued.)

Trade Report

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling, packing, etc. Qualities of chemicals, drugs, essential and fixed oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C.4, May 9.

BUSINESS in pharmaceutical chemicals continues quite good for some of the leading lines, with one or two further price changes. Contracts for aspirin are being freely booked at the higher prices, with Continental prices practically on the same level as the English. Barbitone is firm, the Continent still not offering. Bromides meet with only a limited business, and English makers' prices have been reduced ½d. per lb. Creosote carbonate is higher, and an advance of 1s. has been made in salicin; sodium salicylate meets with a good contract business. Pending the drug auction to be held next week, there is little doing in drugs. Sudan acacia is again much higher, with an active demand. Cod liver oil remains firm, and carnauba wax is very quiet at the recently reduced prices. B.P. almond oil and peach kernel oils are cheaper. West African ginger and saffron are firmer. Essential oils are in poor demand. Caraway is firmer, but nutmeg and cassia are easier. Pimento berry, pepper, clove, bergamot, lemon and orange are all lower. Seeds remain very quiet, with prices steady. Dutch caraway continues firm, while Morocco coriander and E.I. dill are easier. Among the industrial chemicals business continues fairly satisfactory, with no important price movements. Lead acetate is steadier, but quiet; potassium chlorate is easier inclined on a dull market, and sodium chlorate also tends to weaken. Carbolic acid crystals continue firm and active, near positions being in short supply from the makers. Among the so-called fixed oils quiet markets continue to be reported. Turpentine is slightly easier, and linseed is inactive and unchanged. Palm and palm kernel oils are cheaper, likewise coconut and acid oils.

Higher	Firmer	Easier	Lower
Aloin	Caraway oil	Acid oils	Almond oil
Ginger	Fenugreek seed	Antimony	(B.P. sweet)
(W. African)		Cassia oil	Bergamot oil
Gum acacia		Coriander seed	Bromides
Helliotropine		(Mor.)	Clove oil
Pimento (c.i.f.)		Dill seed (E.I.)	Cocoa butter
Rubber		Menthol	(Amst. auctn.)
Salicin		Nutmeg oil	Lemon oil
Shellac		Turpentine	Orange oil
		Wax, paraffin	Palm oils
			Peach kernel oil
			Pimento berry oil

A Drug Auction will be held next Thursday, May 16.

Cablegram

BERGEN, May 8.—The catch of cod since the opening of the season amounts to 66,123,000, against 55,276,000 at the corresponding period of last year, and the yield of steam-refined cod-liver oil amounts to 81,934 hectolitres, against 44,399 hectolitres at the same period of last year. Market for finest new (1929) Lofoten non-freezing steam-refined oil is improving at from about 105s. to 110s. per barrel c.i.f.

Crude Drugs, etc.

AGAR-AGAR has shown more demand. Sales of Kobe No. 2 have been made at 3s. 7d. per lb. c.i.f., and Yokohama No. 1 at 3s. 6d. c.i.f. for June-July shipment. Kobe No. 1 is quoted at 4s. 1d. spot, and Yokohama at 4s. spot.

ALMOND OIL.—B.P. sweet has been reduced by 2d. per lb. to 3s. 2d., and one-cwt. lots to 3s. per lb. Peach kernel oil has been reduced to 1s. 6d. per lb. for English pressed.

ALOES.—Curaçao continues scarce at from 115s. to 135s. per cwt. on the spot, as to quality. C.i.f. offers continue difficult to get.

Increased shipments of aloes from Curaçao to the United States were due largely to the higher price offered rather than to expanded production. There were increased shipments at the end of the year (1928) to one of the largest American consumers, who sent a special representative to Curaçao to secure needed supplies. Exports from the island were:—1927, 323,235 lb., value \$28,250; 1928, 679,000 lb., value \$81,500.

ANTIMONY is again easier under a slow demand. Chinese regulus on the spot is offering at £37, delivered warehouse, and purchases might possibly be made at less, while terms for shipment stand at £32 10s. c.i.f. English refined remains at £55 down to £50, according to brand and quantity. There is very little interest in crude, and the spot quotation is about £32.

BALSAMS are in moderate inquiry, although orders are small. *Tolu* is unchanged at 4s. 6d. on the spot and 4s. 2d. per lb. c.i.f. *Canada* is quoted 5s. 3d. per lb. on the spot. Genuine *Peru* is worth 6s. 6d. per lb. on spot. *Copaiba* can be bought at 1s. 9d. per lb. on the spot. *Oregon* for shipment is offered at 1s. 3d. per lb. c.i.f.

CADMIUM is in fairly active demand at from 4s. 2d. to 4s. 3d. per lb. for spot lots, but contracts can be arranged down to about 4s. 1d. for future arrival.

CARDAMOMS.—An auction of 50 cases Indian was held on Thursday, May 9.

CINCHONA.—At the auction held at Amsterdam on May 1. 719 packages Java pharmaceutical bark (393 bales and 325 cases), weighing 27,220 kilos., with a quinine content of 576 kilos. offered, of which 309 bales and 307 cases, weighing 23,560 kilos, and containing 585 kilos. quinine, sold at from 4s to 9½ cents per half-kilo.

CLOVES.—Zanzibar are quiet, with spot sellers at 1s. 5½d. per lb. To arrive, March-May shipment has sellers at 1s. 6d. per lb. c.i.f., May-July shipment is quoted at 1s. 3d., and August-October at 11d. c.i.f. The landings of Zanzibar in London during the week ending May 4 were 50 and the deliveries 139, leaving a stock of 1,931, against 13,132 in 1928 and 13,184 in 1927. The landings to date have been 3,581, against 8,921 in 1928, and the deliveries to date 4,149, against 5,318 in 1928. The landings of Madagascar during the week ending May 4 were 100 and the deliveries 263, leaving a stock of 1,669 bales.

COCOA BUTTER.—C.F.R. is quoted at 1s. 3½d. to 1s. 3¼d. per lb., and prime English at 1s. 3d., in not less than one-ton lots. At the Amsterdam auction, Van Houten's AA sold at 72.75c., against 80c., and A at 71c., against 77.15c. per half-kilo, a month ago.

COD-LIVER OIL is quite steady, with a fair business passing in Norwegian. The Finnmarken fishing so far has proved unproductive, the yield for the week being 435 hectolitres only. Prices remain unchanged at from 105s. to 110s. per barrel c.i.f. for finest new Lofoten non-freezing steam-refined oil.

ÅLESUND, May 1.—The cod fisheries at Lofoten are now finally closed. According to the official statistics, which were closed on April 27, the total production of pure Lofoten cod-liver oil has this year amounted to 55,157 hectolitres, against 27,962 hectolitres in 1928 and 43,047 hectolitres in 1927. The quantity of cod landed this year exceeded that of 1928 by about 10 millions, but the comparatively large production of cod-liver oil is principally due to the high oil percentage of the cod, against 37 per cent. in 1928. The total output of crude cod-liver oil for all Norwegian cod fisheries is as follows:—

To	Hectol.	To	Hectol.
April 27	81,499	April 30, 1927	63,769
April 28, 1928	43,271	May 1, 1926	89,268

With exception of Finnmarken, where the fishing has so far been very insignificant, the fishing in all parts of the country has now come to an end. As will be noted, the output of cod-liver oil is rather large, but still it may be a question whether the present low price is fully justified. Even if the fishing at Finnmarken should yield a fair quantity of oil, it is not very likely that the total output will cover the entire requirements of the world. The fact is that very considerable quantities of medicinal oil have already been sold for animal feeding purposes, and it is significant to note that this year's exports up to April 14 already amounted to 33,108 barrels, against 20,376 barrels at the same date of 1928.

GENTIAN is steady at 37s. 6d. per cwt. on the spot.

GINGER.—West African is dearer, with sales at from 53s. to 55s. per cwt., and for April-May shipment business has been done at 50s. c.i.f., with buyers of May-June at 52s. 6d. c.i.f. Fair washed rough Cochín is 70s. to 75s., and Calicut 85s.; small Jamaica is 80s., and bold 100s. to 120s.; Japanese is 60s., all spot.

GUM ACACIA.—Market is strong and dearer, with an active demand, as consumers, who hitherto held off, are now coming forward more freely as the actual facts concerning shortage are being confirmed. It is estimated that the Sudan crop this year will not exceed 14,000 tons, against 22,700 for last year, and the latest information from the Sudan is to the effect that only small quantities are arriving at the market centres. For natural Kordofan sorts on the spot up to 77s. 6d. per cwt. has been paid and 80s. for cleaned; these are also the current c.i.f. prices.

HELLEBORE ROOT.—White powder is quoted at 42s. 6d. per cwt. on the spot and whole black at 30s.

HYDRASTIS.—The spot value is 14s. 9d. per lb., and that price is also asked on c.i.f. terms.

LIME JUICE continues stationary, with little business passing, at from 4s. to 4s. 6d. per gallon.

LIQUORICE ROOT.—For natural thin £18 10s. per cwt. is quoted. Syrian decorticated is 37s. 6d., and good Anatolian decorticated 48s. 6d.; Sicilian decorticated is 50s. per cwt.

MENTHOL.—Although higher prices have been cabled from Japan for menthol and oil, prices on the spot are somewhat easier at from 20s. 3d. to 20s. 6d. per lb. for Kobayashi-Suzuki. For April-June shipment sellers quote 19s. c.i.f.

MERCURY has remained in much the same condition, with a steady undertone, and holders are quoting £22 2s. 6d. to £22 5s. per bottle on the spot, less 3 per cent. Although stocks have been considerably reduced in the last few months there seems to be quite enough to go round. The first-hand price, as quoted by the Combine, remains at £21 15s. per bottle, f.o.b.

OPIMUM remains firm at from 1s. 11d. to 2s. per unit for usual Turkey druggists' quality. Opium valued at £3,100 has arrived from Asiatic Turkey and £3,400 from E. Turkey. The following report has been received from Turkey:—

CONSTANTINOPLE, April 30.—Sales during the past fortnight have been 70 cases druggists' at £T27 to £T30½ per oke, eight "softs" at £T31, and eight Malatia at £T29 per oke. The number of speculators aided by European agents makes the situation somewhat confusing. Prices are at least eight to ten per cent. higher than is necessary to render production profitable. Arrivals have amounted to 1,665 druggists', 385 "softs", and 125 Malatia, making a total of 2,115 cases, against 2,119 over the same period last year. Stocks are now 622 druggists', 170 "softs", and 84 Malatia, a total of 876 cases, against 899 on the same date a year ago.

PEPPER is steady at 1s. 4½d. per lb. for fair Singapore on the spot, and May-July shipment is 1s. 3d. c.i.f. Lampong is 1s. 4½d. spot. To arrive, the sales include May-July shipment at 1s. 2½d. to 1s. 3½d., and August-October at 1s. 2d. to 1s. 2½d. c.i.f. Tellicherry is 1s. 5d. spot and March-May 145s. c.i.f. Alleppy is 1s. 4½d. spot and March-May 145s. per cwt. c.i.f. White Muntok is 2s. 2½d. spot. To arrive, the sales include May-July shipment at 2s. 1½d., 2s. 0½d. to 2s. 2d., and August-October at 1s. 11½d. to 1s. 10½d. to 1s. 11½d. c.i.f.

PIMENTO is higher forward, the sales including July-August shipment at from 112s. to 123s. and August-September at from 115s. to 120s. per cwt. c.i.f. The spot price is 1s. 3d. per lb.

The French "Journal Officiel" for April 23 contains a Decree, dated April 18, which provides for the duty-free admission into France and Algeria of certain quantities of pimento, to be fixed annually, originating in and coming direct from French Togoland. The quantity to be imported under these conditions in 1929 has been fixed at 100 metric tons.

QUASSIA.—Chips are offered at 27s. 6d. per cwt.

RUBBER is much firmer and is fully 2d. better on the week. The improvement is due to a better demand all round, and we understand that a fair amount has been sold for direct shipment to New York from the East. In addition, the spot demand has greatly improved and full prices are being secured for all classes of low grades. The speculative interest continues small, as fluctuations, with the exception of last week, have been of little importance. The arrivals last week totalled 1,760 tons, whilst deliveries were 1,393 tons, showing a further increase of 367 tons in the stocks. The London stock now stands at 31,580 tons, against 52,015 tons at the corresponding period last year. Quotations (Wednesday, 5 p.m.): No. 1 standard ribbed smoked sheet, spot and May 10½d., June 10½d., July-September 11d., October-December 11½d. per lb.

SAFFRON is inclined firmer at the source, but this is counterbalanced by the decline in the currency rates. The value of Spanish on the spot ranges from 42s. to 50s., according to grade.

SEEDS.—The market remains very quiet, with prices steady. ANISE.—Spanish is 62s. 6d. per cwt. and Russian 26s. 6d. per cwt. on the spot. CANARY.—The market is quiet, with very little business doing. Mazagan on the spot is 23s. 6d. per cwt., and for prompt shipment 23s. c.i.f. is being quoted. New crop is still quoted at 19s. 6d. c.i.f. Saffi remains at 25s. per cwt. spot and 22s. c.i.f. for forward shipment. CARAWAY remains firm on spot, sellers now asking 42s. 6d. per cwt. for Dutch. CUMIN.—Maltese is 55s. per cwt. spot, without demand. Morocco is 48s. 6d. per cwt. spot, and for new crop, July-August shipment, sellers would cable 47s. 6d. c.i.f. CORIANDER.—Morocco is now 15s. per cwt. spot, with very little business doing, and for prompt shipment 11s. 9d. c.i.f. is quoted. New crop for June-July shipment, 12s. c.i.f. is wanted. FENUGREEK.—There is not much to be had on spot and the price is 20s. per cwt., and for new crop 16s. 6d. c.i.f. is quoted. LINSEED is 22s. per cwt. spot, and new crop, July-August, 19s. c.i.f. is the price for Mazagan. MUSTARD.—English, 27s. to 31s., according to quality. FENNEL.—Indian is 68s. per cwt. spot and 62s. c.i.f. for new crop. DILL.—Indian 11 per cent. on spot is now 21s., and for May-June shipment a parcel is offered at 15s. 9d. c.i.f.

SHELLAC is firmer, usual standard TN orange quality closing at 200s. per cwt. on the spot; fine orange is 210s. to 300s., pure button 235s., and AC cakey 203s. To arrive, the sales include TN for April-May shipment at 136s. c.i.f., sellers now asking 195s. for May-June shipment. Sales for delivery comprise May at 187s., 186s. to 196s., August at 193s. to 202s. 6d., and October at 197s. to 205s.

SQUILL.—For July-August shipment new crop is offered at 27s. 6d. per cwt. c.i.f.; good white on the spot offer in limited quantity at 50s.

TARAXACUM.—No English appears to be obtainable, and no further supplies will be available before September. German is worth about 75s. to 80s. per cwt. c.i.f.

WAX (CARNAUBA) is very quiet but steady at the recently reduced prices. Fatty grey is 114s. spot and 107s. 6d. c.i.f. for shipment; chalky grey is 113s. spot and 106s. c.i.f.; Primera is 175s. spot and 157s. 6d. c.i.f., and Mediana is 160s. spot and 150s. c.i.f.

Essential Oils

BUSINESS continues to be of a hand-to-mouth nature with values shaded in most directions. The only refreshing feature in the market is a firmer tone in caraway. Nutmeg and cassia are easier. Clove, pepper, pimento, bergamot, lemon and orange are all lower.

ALMOND.—English distilled is quoted at 40s. per lb., with Continental at 8s. per lb.

ANISE (STAR).—No further business has been done in "Red Ship," and quotations are nominal on the spot at 2s. 9d. per lb. for leads and 2s. 5½d. for drums. For shipment, quotations are inclined to ease a little, drums being quoted at 2s. 6d. per lb. c.i.f., and tins at 2s. 5½d.

BERGAMOT shows no activity whatever and values have again been shaded. Quotations are now 18s. 9d. to 19s. per lb. c.i.f., with spot supplies offered at 19s. 3d. to 19s. 6d.

CARAWAY has recovered in sympathy with the firmness in the cost of the raw material. Rectified is quoted at 9s. per lb., and the crude at 8s. 6d. per lb. For 1-cwt. lots there is a reduction of 6d. per lb.

CASSIA.—Quotations for shipment are easier at 4s. 4½d. per lb. c.i.f. for drums on a guarantee of London analysis. Business on the spot is dull and 5s. 2d. per lb. is the nominal figure for guaranteed free from alcohol, although there are cheaper offers for 80-85 per cent. containing traces of alcohol.

CITRONELLA.—Ceylon on the spot is firm at 1s. 10d. per lb., as a good deal of the London stock is reported to have been sold to the U.S. For shipment the value is unchanged at 1s. 8d. per lb. c.i.f. Java is neglected at 1s. 11d. on the spot and 1s. 10½d. c.i.f.

CLOVE is slightly lower. English distillers quote 9s. 6d. to 9s. 9d. per lb., as to quantity, for the 90-92 per cent. eugenol. Madagascari oil, testing 85 per cent., is quoted at 8s. 6d. per lb. on the spot.

GINGERGRASS is quoted at 8s. 3d. c.i.f. and 9s. per lb. on the spot.

LAVENDER.—There is a great scarcity of English oil, and what was distilled last season was quickly bought up. The distillers report that much more could have been sold if it had been available. French oil is dull and without interest at 15s. per lb. on the spot for 33-40 per cent.

LEMON.—The lack of demand persists and quotations for shipment are now fairly abundant and nominal at 15s. 6d. per lb. c.i.f. for genuine Sicilian hand-pressed. The spot value varies from 16s. to 16s. 6d. per lb. as to seller.

LEMONGRASS continues dull at the reduced rates of 2s. 10d. per lb. on the spot and 2s. 8d. c.i.f. Very little business has been passing.

LIME.—West Indian distilled is firm on the spot at 34s. 6d. to 35s. per lb., according to quantity.

NUTMEG is inclined to be easier at 6s. 10d. per lb. on the spot for quantities of 2 cwt.

ORANGE is neglected and slightly lower. Sicilian sweet is now available on the spot at 21s. 6d. per lb., with the shipment value at 21s. c.i.f. No business has been done in West Indian recently, so that the quotation of 20s. per lb. is purely nominal.

PALMAROSA.—East Indian is unchanged as quoted at 12s. on the spot and 11s. 3d. per lb. c.i.f.

PEPPER is lower at 31s. 6d. to 33s. per lb. on the spot, according to quantity.

PEPPERMINT.—There have been rapid fluctuations to-day (Wednesday) in Japanese dementholised, but values are virtually unchanged at 6s. 4½d. to 6s. 6d. per lb. for Kobayashi-Suzuki on the spot. More interest has been shown in forward positions, with buyers of July-August shipment at 6s. 3d. c.i.f. and sellers at 6s. 4½d. c.i.f. American natural tin oil continues in poor demand. Buyers are disinclined to show interest until some indications as to next year's crop are available, and in the meantime some sellers at the source are pressing goods on to the market. Quotations

range from 12s. 6d. to 10s. per lb. c.i.f., according to brand, while the spot value is maintained in the neighbourhood of 13s. per lb. for quantities.

WORMSEED (*CHENOPODIUM*) is neglected and a shade easier at 7s. 9d. to 8s. per lb. c.i.f. from the source. On the spot the value is maintained at 9s. 3d. per lb.

The following arrivals have taken place from the countries indicated during the period May 1 to May 7 (inclusive).—Almond (Fr.), 25 cs.; almond and iris (Fr.), 12 cs.; anise (Ch.) 14 pkgs 10 cs. 4 dm., (Fr.) 16 pkgs.; bergamot (It.), 30 cs.; camphor (Jp.), 38 dm.; cananga (Jv.), 2 dm.; citronella (Jv.), 4 dm.; cloves (Fr.), 2 dm.; copaiba (U.S.), 5 cs.; geranium (Fr.), 2 dm.; gingergrass (Br. Ind.), 4 dm.; lavender (Sp.), 2 dm.; lemon (It.), 202 cs.; lemongrass (Br. Ind.), 2 dm.; lime (B.W.I.), 36 cs.; neroli (It.), 1 cs.; orange (It.) 47 cs., (B.W.I.) 8 cs.; orange and lemon (U.S.), 1 cs.; palmarosa (Br. Ind.), 10 dm.; patchouli (Fr.), 6 dm.; peppermint (U.S.) 3 dm., (Jp.) 45 cs.; petitgrain (Arg. Rep.), 5 dm.; rosemary (Sp.), 2 dm.; rosewood (Fr.), 1 dm.; sage (Sp.), 1 dm.; sandalwood (Ger.), 10 cs.; thyme (Ger.), 6 dm.; undescribed (Fr.), 75 cs.

Pharmaceutical Chemicals, etc.

A GENERALLY steady tone is reported in all directions, and, after the recent increases in prices of a number of products, the market shows fewer changes this week. Business in some of the leading lines continues quite good, while the demand for citric and tartaric acids remains slow. Salicin and aloin are dearer. English bromides have been reduced ½d. per lb. Aspirin is still in active demand, with the Continental make on the same level as the English.

ACETANILIDE shows no change, with the market still slow; B.P. crystals and powder, 1s. 4½d. to 1s. 6d. per lb., as to quantity.

ALOEIN.—Makers now quote 9s. 6d. per lb., and the recryst. at 15s.

AMIDOL is unchanged with spot at about 7s. 9d. to 8s. per lb.

AMIDOPYRIN is steady, with dealers offering spot at about 8s. 6d. to 8s. 9d. per lb., as to quantity.

APIOL.—Makers now quote at 23s. per lb.

ASPIRIN.—There is very fair business moving and contracts are being booked freely at the higher prices; home makers' prices are from 2s. 6d. to 2s. 8d. per lb., as to quantity, the lower price being for five-cwt. lots. Continental prices have been at 2s. 9d. to 2s. 10d. per lb., as to quantity, but it is understood they are now being revised to come into line with home makers' rates.

BARBITONE is firm on spot from 6s. per lb., and dealers are expecting a further advance; Continent is still not offering.

BENZALDEHYDE (0.03) continues to be offered on spot at 1s. 10d. for quantities in carboys; small parcels, about 2s. per lb.

BENZOIC ACID (B.P.) is bright with prices very steady; quantities, ex works, 2s. 1d.; smaller spot parcels, 2s. 2d. to 2s. 3d. per lb., ex store.

BROMIDES.—The English makers have reduced their prices by ½d. per lb., and now quote ammonium at 1s. 1½d., potassium crystals 1s. 8½d., granular 1s. 7½d., and sodium 1s. 10½d. The foregoing prices are for cwt. lots, the list price being 3d. per lb. more. Dealers quote ammonium at 1s. 10½d. to 1s. 11d., potassium, crystals or granular, 1s. 7d., and sodium 1s. 9½d. to 1s. 10d. The market situation is unsettled and complicated by the fact that considerable imports of bromides have taken place from the United States of late, and the price of such is a matter of negotiation.

CALCIUM LACTATE is steady on a slow market; quoted from 1s. 2d. to 1s. 3½d. per lb., as to quantity.

CANTHARIDIN.—Makers quote at 75s. per oz.

CHLORAL HYDRATE.—Duty-paid crystals continue unchanged; business about normal; spot, 3s. 1d. to 3s. 3d. per lb., as to quantity.

CITRIC ACID (B.P. crystals) is unchanged, the spot quotation continuing at about 2s. 1½d. to 2s. 2d. per lb., less 5 per cent., as to quantity, for foreign. English is firm and unchanged at 2s. 2d., less 5 per cent. Business has been on a limited scale. There is nothing fresh to report in the position in Italy.

CODEINE.—Makers quote the alkaloid cryst. and precip. at 17s. per oz.; hydrochloride and sulphate at 15s.

CREOSOTE (B.P.) is unchanged with quantities in demijohns at 1s. 8d.; smaller parcels, 1s. 9d. per lb.; business slow.

CREOSOTE CARBONATE is higher at about 6s. 6d. per lb. on the spot. Creosote beechwood is 1s. 3d.

EMETINE AND SALTS.—Makers quote the pure alkaloid at 135s. per oz.; dibromide and hydrochloride at 78s. 3d.; emetine bismuth iodide is 43s. per oz.

EPHEDRINE AND SALTS.—Makers quote the pure alkaloid at 40s. per oz.; hydrochloride and sulphate at 30s. per oz.

GUAIACOL CARBONATE is very steady with a tendency to advance; spot, from 4s. 8d. per lb.

HELIOTROPINE shows an advance of about 9d. per lb. to about 5s. 6d. per lb.

HEXAMINE.—A very fair volume of business is being done with quoted prices being obtained; dealers' quote from 2s. 4d. to 2s. 6d. per lb., as to quantity.

HYDROQUINONE is unchanged with business fair; quoted from 3s. 8d. to 3s. 11d. per lb., as to quantity.

HYPOPHOSPHITES.—In further reference to last week's quotations (p. 552), it should be pointed out that the price of calcium (2s. 5d.) is in casks, whereas the potash (2s. 8½d.) and the sodium (2s. 7½d.) is in tins. The current price for calcium in tins is 2s. 6d., tins and cases free.

LACTIC ACID (B.P.) is unchanged at Convention prices of 1s. 6½d. for five-ton lots up to 1s. 10½d. per lb. for small parcels.

METHYL SALICYLATE (B.P.) is steady at home makers' prices with a fair inquiry; ton lots, 1s. 6d. up to 1s. 8d. per lb. for small parcels, including cost of packing.

METHYL SULPHONAL is well maintained at 13s. 6d. to 20s. per lb.

MORPHINE.—Makers quote the alkaloid cryst. at 17s. 6d., precip. at 17s. 3d. per oz.; hydrochloride at 13s. 9d., and cryst. at 14s. per oz.

PARAFORMALDEHYDE is steady but in no great demand; 100 per cent. powder, 1s. 8d. for quantities and 1s. 9d. per lb. for small parcels.

PARALDEHYDE remains dull at from 1s. 1d. to 1s. 4d. per lb., as to quantity and packing.

PHENACETIN is steady; cwt. lots of crystals offer at 2s. 10d. per lb. with powder 1d. more.

PHENAZONE shows no change at 4s. to 4s. 6d. per lb., as to quantity.

PHENOLPHTHALEIN is firm, with more business moving, Convention prices of 5s. 11d. to 6s. 1½d. per lb. being obtained.

POTASSIUM PERMANGANATE is steady on a slow market; B.P. in drums, 5½d.; smaller parcels, from 6d. per lb., ex store.

POTASSIUM SULPHOGUAIACOLATE is steady at 7s. 8d. to 4s. 2d. per lb.

SALICIN.—Makers have advanced the price by 1s. per lb. to 16s., with 23 lb. and upwards 15s. 6d. per lb.

SALICYLIC ACID (B.P.).—There is no change in home makers' prices; ten-cwt. lots, 1s. 5d. up to 1s. 7d. per lb. for small parcels. The demand is not active.

SALOL is held at the higher prices recorded last week; quoted from 2s. 9d. to 3s. per lb., as to quantity.

SODIUM DIETHYLBARBITURATE is firmer on spot at about 7s. 5d. to 7s. 6d. per lb.

SODIUM SALICYLATE (B.P.).—The position shows no change and a substantial contract business is passing. Home makers' quote powder at 2s. 2d. for ten-cwt. lots up to 2s. 4d. for small parcels; dealers' prices for Continental make to come forward, crystals, 2s. 6½d.; powder, 2s. 4½d. per lb., in cwt. lots.

SULPHONAL is steady and business is fair; spot, 10s. to 10s. 3d. per lb.

TANNIC ACID (B.P. leviss) continues to be offered on spot at 2s. 10d. for quantities, and up to 3s. per lb. for smaller parcels.

TARTARIC ACID (B.P. crystals).—The amount of business moving remains limited, but spot prices are steady at about 1s. 4d. to 1s. 4½d. per lb., less 5 per cent. for foreign. English is firm and unchanged at 1s. 4½d., less 5 per cent.

THYMOL is meeting with a small business; synthetic fine white, 9s. 1d. to 9s. 3d. per lb.; ex ajowan seed, about 11s. 3d. per lb.

VANILLIN remains quiet at unchanged rates; 100 per cent. from cloves, 17s. per lb.; ex guaiacol, 14s. to 14s. 6d. per lb. and less for contracts.

Industrial Chemicals, etc.

London, May 8.

REPORTS to hand show little or no change in the position of the market, while business continues fairly satisfactory.

ACETIC ACID continues in steady demand and unchanged: 80 per cent. technical, £36 15s.; 80 per cent. pure, £37 per ton, in barrels; glacial, pharmaceutical, 99 to 100 per cent., £66, in glass demijohns; glacial, in barrels, £56 per ton, ex store.

ACETONE is a bright market: B.G.S., £76 to £85 per ton, in drums, ex store, as to quantity.

AMMONIA (ANHYDROUS) continues in steady call, as is usual at this time of the year: dealers and makers quote at about 10d. to 1s. per lb., in loaded cylinders, carriage paid; slightly less for big contracts.

AMMONIUM CHLORIDE is moving in fair quantities; grey galvanising, £21 10s. per ton, in cases, ex store; slightly less for contracts.

ARSENIC.—There is no improvement in the demand, with Cornish agents maintaining their terms at fully £16 per ton, f.o.r. mines; Mexican high-grade remains at £17 c.i.f. Liverpool.

BARIUM CHLORIDE is quiet, with spot 98 to 100 per cent. prime white crystals at £11 10s. per ton, in casks, ex store; slightly cheaper forward.

BLEACHING POWDER is offered on spot by makers and dealers from £6 15s. to £7 per ton, carriage paid, as to quantity.

COBALT.—There is a fair demand for oxides, which are quoted at 8s. for black and 8s. 10½d. for grey. Cobalt metal remains officially at 10s. per lb.

COPPER SULPHATE.—There has been a fair demand and the market is firm, with makers quoting £29 10s. to £30 f.o.b. for casks, less five per cent.

CREAM OF TARTAR is meeting with only a limited business but the market continues steady at former rates: 99 to 100 per cent., spot, 96s. to 97s. 6d. per cwt., less 2½ per cent., as to quantity, for foreign. English is firm and unchanged at 98s. per cwt., less 2½ per cent.

EPSOM SALT remains slow of sale: commercial quality, £4 per ton, in single bags, ex store; slightly cheaper for quantities to come forward.

FORMALDEHYDE continues in very fair demand, with the quoted prices about £35 10s. to £36 per ton, as to quantity, for 40 per cent. by volume; market is rather unsteady.

FORMIC ACID is showing more life, with prices well maintained: 85 per cent., £46 to £46 12s. 6d. per ton, in carboys.

ISOPROPYL ALCOHOL is unchanged, with business limited: reliable quality, 11s. to 12s. per gallon, in drums, carriage paid.

LEAD ACETATE is steadier, but business is slow: spot, brown, £40 10s.; white, £41 10s. per ton, in casks, ex store.

LITHOPONE is meeting with a fair demand, with dealers' prices steady: 30 per cent. Continental red seal, £19 10s. per ton, in casks, ex store; slightly less for contracts.

OXALIC ACID continues in fair demand: quantities to arrive, £30 per ton, ex wharf; spot, 32s. per cwt., ex store.

POTASH CAUSTIC is steady at Convention rates, business rather slow: 88 to 92 per cent. solid, £32 15s. to £36 15s. per ton, in drums, ex store; 30s. per ton less c.i.f. in all cases.

POTASSIUM CARBONATE is unchanged, with business rather small: 90 to 92 per cent., £24 10s.; 96 to 98 per cent., £25 15s. to £26 per ton, in casks, ex store; slightly less for contracts.

POTASSIUM CHLORATE is inclined to ease a little, with the market dull: quantities to arrive, 2½d. to 2¾d., ex wharf; spot, 3d. to 3¼d. per lb., ex store.

POTASSIUM PERMANGANATE remains slow of sale: quantities, in two-cwt. drums, 5¼d.; small lots, from 5¾d. per lb., ex store.

POTASSIUM PRUSSIAN is very steady and business is fair: quantities, £63 10s. to £65 10s.; single casks, 7d.; small parcels, 7½d. per lb., ex store.

SAL AMMONIAC.—Dealers continue to report good business here, with their prices fully maintained: dog-tooth crystals, £32; medium, £29; fine white crystals, £18 per ton, in casks, ex store; slightly less for contracts.

SELENIUM.—Prices are steadily held, with high-grade black powder ranging from 7s. 8d. to 7s. 9d. per lb., delivered at Liverpool.

SODIUM ACETATE remains quiet, with prices on spot unchanged at £21 to £21 5s. per ton, in casks, ex store; slightly less forward.

SODIUM CHLORATE is dull and tends to weaken: quantities to arrive, about 2½d.; spot parcels, about 3d. per lb., ex store.

SODIUM PRUSSIAN is steady, with a fair business: quantities, 4¾d. to 5d.; small parcels, 5¼d. to 5½d. per lb., ex store.

SULPHUR.—Conditions are well sustained in regard to crude and refined: American 99 per cent. crude ranges from £5 12s. 6d. to £5 17s. 6d., and Sicilian flowers sell at £12 7s. 6d., refined ground at £11, and roll at £9 15s. per ton, all c.i.f. to arrive.

COAL-TAR PRODUCTS, ETC.—Pitch is holding at last week's slightly improved quotation. Business continues on a fair scale, with the market steady throughout. ANILINE OIL and ANILINE SALT are both unchanged. BETANAPHTHOL continues at 10d. per lb., carriage paid for quantities. CARBOLIC ACID (ICE CRYSTALS).—Substantial business is passing at the higher prices recently established, and the market is still very firm. Material is in short supply for near positions. CRESYLIC ACID.—There is more inquiry, particularly for the pale quality, and prices ranging from 2s. 3d. to 2s. 5d. per gallon, f.o.r. makers' works, are readily obtained. CREOSOTE OIL continues steady, with the market dull: ex works, 4½d. to 4¾d.; f.o.b., 6½d. per gallon in bulk quantities. NAPHTHALENE continues steady on a quiet market: imported flakes and

balls, £15 15s. per ton, in cases, ex wharf. METHYL ALCOHOL remains unsettled at about £45 per ton, in drums, ex store. PYRIDINE is slow of sale: nominal at 4s. 6d. per gallon, f.o.b. TOLUOL is unchanged on an active market: commercial 90's, 1s. 9d.; pure, 1s. 11d. to 2s. per gallon at works. XYLOL remains steady, with commercial quality at about 1s. 10d., and pure at about 2s. per gallon at works. PITCH continues to be quoted at 32s. per ton, f.o.b. East Coast; the market is generally quiet.

Fixed Oils, etc.

GENERALLY quiet markets continue to be reported. Palm oils have been very slack and are again easier. Turpentine is a point easier. Linseed oil closes dull. Acid oils and coconut oil are down on the week, closing dull. ACID OILS are easier and remain dull: coconut and/or palm kernel, 33s.; ground nut, 31s.; soya, 28s. 3d. spot. CASTOR remains quiet and unchanged: pharmaceutical, 51s.; first pressings, 46s. 6d.; second pressings, 44s. per cwt., in barrels, on the spot. COCONUT remains quiet and is slightly easier: deodorised, spot, 40s.; Ceylon, 33s. 6d. c.i.f.; Cochin, 43s. c.i.f. COTTON is unchanged and quiet: deodorised, 38s. 6d.; common edible, 36s. 6d.; soapmaking, 32s. 6d.; crude, 30s. spot. GROUND NUT is still very slow of sale: deodorised, spot, 45s.; crude Oriental, 35s. c.i.f. PALM KERNEL is quiet and easier: deodorised, 44s.; crude, 35s. 9d. spot. PALM.—Still further reductions in prices for all grades are recorded, and so far this week the market has been practically inactive: Lagos, 32s. 6d.; softs, 32s. 6d.; mediums, 34s.; hards, 34s.; bleached, 35s. 6d. spot. RAPE is steady and business is fair: refined, 46s.; crude, 43s. spot. SOYA remains slow: deodorised, 39s.; crude, 33s. 6d. spot. LINSEED (raw, naked).—Some slight improvement was recorded early in the week, but the market closes quieter: on spot, 29s.; May, 28s. 6d.; May-August, 28s. 6d.; September-December, 29s. Boiled oil, on spot, 33s. 6d.; Hull, on spot, 28s. 7½d.; May, 28s. 7½d.; June-August, 28s. 9d.; September-December, 28s. 10½d. TURPENTINE.—As compared with a week ago prices are slightly lower, the London spot price closing at 44s. 9d.; May-June, 43s. 6d.; July-December, 42s. 6d. Last week's deliveries were 2,110 barrels, making a total since January 1 of 33,092 barrels, against 37,295 barrels, the corresponding figure for last year. Stocks were returned at 12,826 barrels, which, together with the landings, make the London visible supply 13,326 barrels, compared with 31,840 barrels at the same date last year. RESIN.—There is not much alteration in prices and a moderate business has been put through. C.I.F. terms for prompt shipment from America were as follows: B/D 16s. to 16s. 7½d., E 17s. 3d., F/H 17s. 9d., I/K 17s. 10½d., M/N 18s. 1½d. to 19s., W/G 19s. 10½d., and W/W 21s. 3d. Terms ex wharf are 9d. per cwt. more, except for W/W grade, which is still scarce and worth about 24s. WOOD.—Hankow on the spot remains dull at 72s. per cwt.

LUBRICATING, MINERAL, BURNING OILS, ETC.—This section continues steady in all directions and there is no change of importance to record. BENZOL remains active and firm, with standard motor 90's at 1s. 8½d. to 1s. 8½d. per gallon, ex works, in tank wagons; ex London works, 2d. per gallon dearer. FUEL OIL continues steady with prices unchanged. PARAFFIN OILS are unchanged and firm: American standard white, 1s.; water-white, 1s. 1d. per gallon, in barrels, ex wharf. PARAFFIN WAX and SCALE remain steady: wax is quoted at 2½d. to 4¾d. per lb., according to melting point, in bags; scale for shipment is offered at about £21 per ton, c.i.f. London. WHITE OILS are steady, with a moderate amount of business: special No. 1, £23 7s. 6d.; No. 1, £23; No. 3 half-white, £20 10s.; No. 4 half-white, £19 15s. per ton, drums and barrels free, ex wharf. SOLVENT NAPHTHAS are unchanged, with the demand steady: 90 to 160, 1s. 2d. per gallon, naked at works; heavy 90 to 190 continue quiet at 1s. to 1s. 1d. per gallon. PETROLEUM JELLIES continue quiet and unchanged: white to snow-white, £38 10s. to £47 10s.; amber and yellow, £17 15s. to £22; dark stiff green, £11 12s. 6d. per ton, barrels free, ex wharf. LUBRICATING OILS are very firm and unchanged: spot, pales, £10 to £33 10s.; reds, £11 5s. to £22; dark cylinders, £13 5s. to £33 10s.; filtered cylinders, £31 to £34 per ton, less 2½ per cent.

New Zealand Kauri

ALTHOUGH the production of kauri for 1923 was 4,003 tons (store receipts), an excess of 183 tons over that of 1927, it is below the output of the past few years, as in 1925 the receipts were 5,063 tons, and in 1926 they were 4,250 tons. Demand for the best descriptions of gum was poor throughout. The better class gums are now appearing rarely in the market, and fields from which they were won in the past are being dug for the lower qualities left in the old grounds. Although exports for December, 1928, were 14 per cent. more than for the corresponding month of 1927, the total value of the shipments was but one per cent. more, viz., £9,631, compared with £9,532 for December, 1927.



Letters for this section should be written on one side of the paper only. Correspondents may adopt an assumed name for purposes of publication, but must in all cases furnish their real name and address to the Editor.

Council Candidates

SIR,—As president of the Salford Pharmaceutical Association I am anxious to associate myself with the letter from Mr. W. Kirkby appearing in your last week's issue. We in Salford take the deepest interest in the candidature of Mr. E. H. Simmons, who was one of the founders of our Association, is a past-president, and has served as the secretary of our Pharmaceutical Committee since its inception. The credentials of most of the new candidates are, to say the least, interesting. Some apparently have absolutely no record of pharmaceutical service to their credit, and one wonders why and by whom they were nominated. Others appear to base their claims upon their prowess in the field of athletics or to their association with various organisations having no connection whatever with pharmacy, while yet others attach quite undue importance to their municipal work, which very probably has been of little value to their colleagues as pharmacists. In the face of these, Mr. Simmons may well be content to base his claims upon a record of long and sustained service in the interests of his fellow pharmacists throughout the country. His work in the early days of National Health Insurance, when he was instrumental in securing concessions which were of material value to us, is past history, while his more recent work in the promotion of every local pharmaceutical effort and on the Organisation, Law and Benevolent Fund Committees of the Council has been such as to more than justify the confidence placed in him when he was elected to the Council six years ago. It is surely a matter of grave suspicion when a candidate does not secure the whole-hearted support of his local colleagues, as appears to be the case with some of the new candidates; but I have no hesitation in stating that not only locally but throughout the whole North-Western area the return of Mr. Simmons to the Council is looked upon as of profound importance to provincial retail pharmacy.

Yours faithfully,

O. L. FEWSTER,

President, Salford Pharmaceutical Association.

SIR,—This year's Council election is probably the most important for the last decade; that the new Council will have to deal with the Parliamentary Committee's report is fairly certain, and the future of pharmacy may well be decided by the action or lack of action of our Council. Mr. Eason is a retail chemist in daily work behind his own counter; he was for the first three years of its existence secretary to the Cardiff Pharmaceutical Committee (N.H.I.), strenuous years, an experience that tried out his abilities and established a local reputation that led him to all the honours and offices the local association could bestow. The Cardiff Association has now nominated Mr. Eason for the Council. Under these circumstances I venture to make a personal appeal that Wales be permitted once more a direct representative on our Council.—Yours truly,

ALBERT HAGON.

Cardiff.

SIR,—May I be allowed to make my last remarks before the Council election? 1908-1929: twenty-one years since the passing of the Pharmacy Act, and yet relatively we occupy the same position. After twelve years on the Council, one member appears to have just found out that the menace of the unqualified running a "pharmacy" remains, and the longer we put off facing the issue, the greater grows the vested interests of these traders. This and many other matters could more easily have been dealt with before they assumed such importance. What guarantee have members of the Society that these retiring councillors, if re-elected, will deal with matters which they have put off in the past? Each year these promises take their toll of victims. It is peculiar

that while our so-called leaders preach continuity regarding their own work, yet they are now challenging the continuity of policy in other spheres. Why not practise what one preaches, or are our councillors a race apart? In a body representing several branches, which are developing inimical interests, it is essential that the greatest branch should have the fullest representation. I honestly believe that retail chemists will only secure full protection when they are represented by those having undivided interests. Two years ago I stated that the Council was out of touch with official bodies, and the fact that the report of the Poisons Committee is not yet to hand would appear to give support to my contention. I view with no small concern the volume of our trade that is passing into the hands of other people, and it is a matter for serious consideration that this new factor in our business is encouraged by some wholesale firms who owe success in the past to the co-operation of chemists.—Yours, etc.,

J. F. MCNEAL.

Eastbourne.

SIR,—I have not the slightest intention either now, or in the future, of seeking election as a member of the Council of the Pharmaceutical Society. May I say, therefore, at the outset that I am not vote-seeking? Nor am I endeavouring to support any or all of the retiring members. Most of them are good friends of mine. Equally, I have two very good friends who are opposing them. But, sir, can we deny that a great deal of humbug is being talked at the moment? I refer particularly to the attack made on those members of the Council who are not actively engaged in the practice of pharmacy as retailers. While I do not care who is elected, because all the aspirants are good men and true, I do think that too much stress is being placed on the fact that certain men are actively engaged in retail business. It is to be remembered that the Council of the Pharmaceutical Society is a body elected to look after the interests of the chemist and druggist. What interests? Undoubtedly the main function of the Council is to look after the professional interests in particular, leaving the "bread-and-butter" side of the craft to be watched by the Retail Pharmacists' Union. But let us suppose that "The Retail Chemists' Group" could prove beyond dispute that the Council should also deal with trade matters. Does the fact that a man is not in retail business render him less fit to deal with such problems? Of course not. Is there a man in the country to-day with such clear vision, active brain, and extraordinary enthusiasm as the late Sir William Glyn-Jones? Is there a man in the country to-day better fitted to help the retail chemist than was the late Mr. Edmund White? Is there in the country to-day a clearer thinker, a better leader of a deputation, or a smarter business man than Mr. Woolcock? Yet these three pharmaceutical giants could not be described as actively engaged in retail business. Sir, what we want to-day is a little clear thinking. We want the best men, irrespective of the particular work in which they may be engaged. If "The Retail Chemists' Group" honestly and sincerely mean that each member of the Council should be a retail chemist in the true sense of the word, then they should be prepared to give an undertaking that their time would be entirely devoted to retail business, and that on relinquishing that work a vacancy on the Council must ensue. As I said before, I am not in any way trying to bolster up the claim of either party. Some of us who are apparently outside the retail see quite a lot of the game. We know that the next twelve months, or two years at the most, is going to be a tough time for those who are chosen to watch and guard the interests of the retailer. What we want, sir, is brains, and men with time to use them for the common good; less splitting of hairs and less arguing about things which do not matter.

Yours faithfully,

HUGO WOLFF.

Ealing, W.

SIR,—I have this morning received a circular from seven prospective Council candidates, and on reading it carefully I am afraid I find little to comfort me therein. These candidates talk about safeguarding the position of the Society, improving the professional status, service

for the common good, etc., but never a word do I find about protecting us from stores and combines. What good will professional status do us when we are out on the street, and the combines ruling the roast? As things are just now, I don't know when a co-operative society or multiple firm will open up a branch next door to me, and I can assure you such is not a comforting prospect. And yet this is happening all over the country; and as the standard of living of the chemist becomes lower, all the more do the stores flourish and multiply. Instead of our candidates dreaming of professional status, what about making "Protection and Limitation" their slogan? The stores never worry about where they are to get their qualified men. The Society, of which most of us are members, sees to it that there is always a huge waiting list for any vacancy. In other words, the members of the Society who are in business are giving their subscriptions to a body who are doing their utmost to drive them out of business by supplying the stores with an unlimited number of qualified men. Ludicrous, but nevertheless true. What is the remedy? Create a scarcity of qualified men, instead of a surplus, and then the combines, instead of making the chemist squeal, will squeal themselves. So let our Society stop all this worthless talk about professional status, safeguarding our interests, etc., and make an attempt to safeguard our bread and butter, otherwise there will soon be none to safeguard. Let "Protection and Limitation" be our battlecry; after we have achieved these aims, I think it would be wise to concentrate on compulsory joining of the Society by every qualified chemist.

Yours truly,

LIVE AND LET LIVE (8/5).

Insurance Dispensing Fines

SIR,—In your issue of April 13 you report a meeting of the Insurance Committee of Lanarkshire, in which mention is made of a chemist supplying cotton-wool under weight. He was not only censured and fined £2 2s., but the chairman was so impressed by the heinousness of the offence that he had to refer to it as a case of "sheer carelessness" which he, as a chemist, "deplored very much." In view of the fact that such goods have to be supplied in original sealed packets, wherein lies the carelessness of the chemist? Surely the fault lay with the manufacturer. We have learnt to expect peculiar and irritating remarks from certain persons in office, but a chemist acting as chairman of such a committee might well refrain.

Yours faithfully,

A KENTISH CHEMIST (8/5).

Be Fair to the Manufacturer

SIR,—There is at present a great deal of argument on the value of chemists' windows, the profit of many advertised lines, and the selling of many advertised lines by other traders. In trying to answer these questions, I may state that I hold no brief for any maker of proprietary lines, and have no other interest except as a retailer. Starting with the value of chemists' windows, the biggest value of such a window is to the owner of the shop; and the best thing a grumbler can do is to look at the window when empty, read through his morning paper, fill it with the lines advertised, and thank the P.A.T.A. for fixing a profit worth having for these lines. After the proprietor of an advertised line has had the brains to think of that line, put it on the market, advertise it, take all the risks, don't, for heaven's sake, let us take his life blood by asking him to pay our rent. . . . Now for the profit question. I see nothing to grumble at at the average profit of the largest advertised lines, it is not the profit we make on the single sale, it is the aggregate, and the aggregate soon mounts up through the persistent advertising. The grumbler should realise that when he sells, say, a bottle of Owbridge's, he has made more profit on that single bottle than the makers. If the makers make huge profit by selling thousands, don't they deserve to by their enterprise? Now take the selling of advertised lines by other traders. There is no law to stop them, so we must make up our minds to sell more than the grocer and small shop competitor. . . . There are thirty or

forty lines which a grocer sells, and which a chemist can sell to his benefit financially. There is no disgrace in selling some grocer's lines just because one is a chemist. If the average chemist thinks he can make his shop pay by opening out every morning, glancing at his Minor certificate, grumbling at his staff all day, thinking dispensing will pay all his expenses, he is sadly mistaken. He had better stick to his front counter, start smiling at 9 a.m., and leave the dispensing to a good assistant. . . . More returns and more profit make expenses lighter and more petrol for the car. After all, we are out to make money; so what does it matter how we make it, as long as we make it? . . .

Yours, etc.,

W. L. MILLION.

Fleet.

A Question of Terms

SIR,—The members of this Association have noted, with great surprise and extreme regret, the revisions in the quantity terms for Eno's Fruit Salt. Many years ago, before the starting of the P.A.T.A., Eno's Fruit Salt was one of the articles most cut in price by retailers. Some members of my Committee can remember that preparation costing, in quantity, and for cash with order, 2ls. per doz., and being sold retail at 1s. 9½d. per bottle. The result was that almost every chemist put up a fruit saline under his own name, which he pushed and sold against "Eno's." While it cannot be denied that good advertising of Eno's has been, to some extent, the cause of its enormously increased sale, a more important factor has been that a reasonably good profit secured the goodwill of the chemists and caused a tremendous number of them to give up marketing their own fruit saline and to push and display Eno's Fruit Salt instead. The undoubted view of the members of this Association is that the change in the terms, which practically amounts to a reduction of between 5 per cent. and 7 per cent. in the retailer's profit, is a retrograde step, and one that is likely to prejudice seriously Messrs. Eno's interests and to cause a revival on a large scale of own name salines, and a corresponding indifference, if not opposition, to Eno's preparation. From practical experience of them, the retail chemist has no love for sliding scale profit schemes such as that now put in force, and my Committee think it better to say so candidly, and to express the hope that Messrs. Eno will revert to the terms which preceded the recent alteration. Messrs. Eno contend that the special window-show discounts were originally intended to be only temporary, but surely the window show as a return for the special discount was a *quid pro quo* in the form of the cheapest possible advertising that Messrs. Eno could hope to get, and worth very much more than the discount which it carried. I might add that at to-day's meeting of the Committee of this Association several members indicated that they had already taken steps to sell a fruit saline bearing a satisfactory profit, and there are other signs of an immediate general resort to this plan.

Yours faithfully,

ROBERT J. KIDNEY,
Secretary, Dublin and Provincial
Retail Drug Association.

The Conference at Dublin

SIR,—The Conference visitors are likely to have a good time in the Free State city this year, and once again I have to regret that increasing years prevent me from renewing acquaintance with Dublin. When I visited this portion of Ireland it was an enjoyable trip, and no doubt many improvements—it was twenty years ago—have made Dublin a delectable city. What sticks in my mind as much as any of the sights is that we (wife and self) had got mixed up with a plague of flies. We had dinner at a hotel on the banks of a river or branch of one, and I remember we had to fight the flies for every mouthful. I remember reading something of Sam Slick's: "Well, last summer I was in Dublin, and, arter I had finished my trade there, havin' a little time on my hands, I goes about to see the Castle, Custom House, College, and what not of curiosities. . . . for Dublin is worth seein', I tell you."—Yours, etc.,

J. P. N. (29/4).

Legal Queries

C. C. L. (21/3).—The rule is, once chargeable, always chargeable, i.e., a preparation which is liable to medicine-stamp duty cannot be sold unstamped by fulfilling the condition for securing the exemption extended to "known, admitted and approved" remedies. An exception might possibly be made in a special case.

Doubtful (1/85) owns a shop with a room over it. How can he let the premises in such a way that he can evict the tenant at short notice should he require possession? [By providing in the tenancy agreement that the tenancy shall be terminable by a week's notice or whatever other period of notice "Doubtful" may think fit.]

D. J. F. (30/4).—Barium sulphide is a poison included in Part II of the Poisons Schedule. Consequently, preparations containing barium sulphide, irrespective of the title used, may be sold only by chemists. In addition, the label must bear the word "poison" and an indication of the proportion or percentage of barium sulphide present in the preparation.

Red Tape (2/85) asks if a chemist is allowed to use industrial S.V.M. in D. and P. work, or is the privilege confined, as he has been informed, to photographic manufacturers; also, how can he obtain permission if it is obtainable. [The use of industrial methylated spirits is not a privilege confined to manufacturers. Anyone who can show a good reason for it being granted is allowed the concession to use the spirits. "Red Tape" should make two separate applications, one in respect of each of the processes in which he wants to use the spirits, and send them to the Commissioners of Customs and Excise through the local surveyor of Customs and Excise. The surveyor will supply him with the necessary official forms of application.]

Subscribers' Symposium

For interchange of opinion among "C. & D." readers and brief notes on business and practical topics

Colon Oil

Your correspondent "P. M. B." (*C. & D.*, April 20, p. 488) means callan oil, a synonym for neatsfoot oil. It is used to dress leather clutches as it makes the material soft and slippery, but is useless for the modern metal plate clutch, for which a mineral oil should be used.—*M. E. T.* (19/4).

C. V. T. (22/4) writes: Colon oil for clutches is a proprietary article sold by garages.

N.H.I. Quantities and Sizes

Note 4 in Part III B of the tariff is important. Some prescribers when ordering dressings do not indicate any quantity, and in this note the tariff specifies the quantity to be supplied. A chemist may receive a prescription for lint or wool with no quantity stated. He may have supplied 4 oz. or 8 oz. on a former occasion, but unless he returns the form to the prescriber for the quantity to be inserted, he should supply the quantity specified in Note 4, Part III B, for it is the price of this quantity which will probably be allowed to him when his prescriptions are sent to the Bureau for pricing. A somewhat similar position may arise in connection with the prescribing of protectives. Unless the doctor definitely states both dimensions, it is important for the chemist to refer to paragraph 5 in the tariff. One foot of oiled silk is to be interpreted as one square foot; presumably, therefore, for half a foot a piece of material containing 72 square inches should be supplied. The only cases cited in this note are "one foot" and "one yard"; but if the same principle is intended to apply to all other cases in which only one dimension is given by the prescriber, then when twelve inches is ordered the piece supplied, according to this note, should be 12 inches (4 in. by 3 in.). It should not be twelve inches square (144 sq. in.), nor twelve inches by the full width of the material. A quarter of a yard apparently means a quarter of a square yard, or a piece 18 in. by 18 in. (which is really half a yard square), but nine inches should be interpreted as nine square inches (3 in. by 3 in.).—*Observer*.

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

A. B. (16/4).—**LEMONADE CRYSTALS**.—These may be prepared by spraying the following mixture on to 10 oz. of citric acid or tartaric acid:—

Oil of lemon	5j.
Crocein B.	gr. ij.
Proof spirit	5j.

H. T. (13/4).—**CELLULOSE LACQUERS**.—The following is a general formula for quick-drying lacquers suitable for spraying on wood or metal:—

	Per cent. of solids	
Nitrocellulose (low viscosity)	40–60	by weight 15–25 per cent.
Resin (ester gum)	20–30	
Plasticiser (amyl phthalate, 50–60 per cent. of nitrocellulose used)	5–55	
	Per cent. of liquids	
Low boilers (i.e., below 100° C., e.g., anhydrous ethyl alcohol)	10–25	by weight 85–75 per cent.
Medium boilers (i.e., about 125° C., e.g., butyl acetate)	20–45	
High boilers (i.e., 150–200° C., e.g., ethyl lactate)	4–10	
Diluent (e.g., toluene) 35–45 per cent. of liquids		

It may be mentioned that sunlight cracks an unpigmented film. Success depends upon the choice of solvents, which is regulated by the resin employed. Among the resins which impart good adhesive qualities are elemi, kauri, shellac, and thus.

341 M/C (26/38).—**TEETHING POWDER**.—The powder is composed of potassium chlorate (say, two-thirds) and powdered liquorice (say, one-third), with a little tincture of podophyllum dried on.

C. H. W. (27/38).—**INSECTICIDE**.—This is a golden yellow liquid consisting entirely of unsaponifiable oil and containing no nicotine and no fixed matter. It appears to be merely kerosene with a little colouring and essential oil to give it character.

A. A. M. (10/48).—(1) **TOILET PARAFFIN**.—This is the thin mineral oil suitably perfumed.—(2) **VIOLET OIL**.—Pale nut oil or liquid paraffin, tinted green and perfumed with ionone.

W. T. (30/48).—The infusions could be preserved by the addition of chloroform 1 in 500.

G. S. W. (22/48).—Rub the menthol and phenol together to liquefy, then add 5ij. of tincture of quillaia and stir into the calamine lotion. The lotion can be made by trituration even without the quillaia.

Retrospect of Fifty Years Ago

Reprinted from
"The Chemist and Druggist," May 15, 1879

A Bentley Demonstration

On Saturday, at the early hour of eight o'clock in the morning, Professor Bentley gave his opening demonstration of practical botany at the gardens of the Regent's Park. The flowers were peacefully reposing in their beds, while a number of between 40 and 50 students had contentedly left theirs to study nature from her own pages. The lecture, or rather explanatory discourse, was given in the Professor's usual lucid manner, and we doubt whether a better or more thorough knowledge of the subject can be gained than by attending these admirable expositions. . . . Here, in these lovely gardens of the Regent's Park, the student is invited to wander before and after the demonstration, and make his own observations. A glance will often do more than an hour of unassisted reading; and, with such advantages as those now offered, it is to be hoped that pharmacy will long boast of a race of well-trained and competent botanists.



[Commenced C. & D., July 5, 1924]

Rancidity.—By the word rancidity is generally understood the development of free fatty acids in natural fatty oils and fats. The fatty acids are normally in combination with glycerin as glycerides, and in practically all oils and fats small quantities of the decomposition products are present. An oil, for example, olive oil containing a small quantity of free oleic acid, would not be termed "rancid." It is only when the oil or fat is unpleasant to the nose and palate that this term is applied. The measure of the amount of rancidity is the quantity of free fatty acids present, and these are conventionally returned as oleic acid. Pharmacopoeial oils have official standards for the amount of free fatty acids they may contain, and where such standards are given they are in "acid numbers," which are actually measures of the amount of caustic potash necessary for neutralisation.

Rangoon Creeper.—See *Quisqualis*.

Rangoon Oil is a crude petroleum obtained from the oil fields of Upper Burma, the name being taken from the port of shipment. The original product was obtained from primitive hand-dug wells, and has been superseded by the more refined heavy petroleum.

Ransom Research Fellowship.—Founded in 1917 by Mr. Francis Ransom, Ph.C., a past-president of the British Pharmaceutical Conference, to promote the investigation of crude drugs, and awarded by the Council of the Pharmaceutical Society to a pharmaceutical chemist, who must not engage in unauthorised commercial work during his tenure. Particulars of the conditions of entry for the scholarship, which is of the annual value of £100, may be obtained from the secretary of the Pharmaceutical Society, 17 Bloomsbury Square, London, W.C.1.

Rape Oil [*Colza Oil*].—In this country the terms rape oil and colza oil are used indiscriminately to describe the oil from the seeds of *Brassica campestris*. It is obtained by expression or extraction with carbon bisulphide or petroleum ether from the crushed seeds. Extraction is preferable as expression results in some quantity of mucilaginous matter being present in the oil. The cake, however, from the expressed oil is suitable for cattle food, while that from extraction cannot be so used, but is used for manure. The oil, when commercially refined, is pale yellow, and has a characteristic odour, and an unpleasant taste. Its solubility is 0.534 parts in 100 parts of alcohol. Glycerides of saturated fatty acids are only present in small quantities. Crude "arachidic acid" has been definitely identified as a constituent; this was at one time termed behenic acid. The unsaturated acids consist of erucic and rapic acids, with probably acids of the linolic or linolenic series. The stearin separated out on standing apparently consists of almost pure trierucin. Dierucin has, however, been found. The amount of unsaponifiable matter (phytosterol) present is a useful guide to the purity of the oil. It is usual to find 0.5 to 1 per cent., and in no case should there be more than 2 per cent. Free fatty acids from 0.5 to 6 per cent. are usually present in commercial samples of rape oil. On ageing the oil does not dry. It does, however, turn rancid. It is therefore in a class, of which it is the most important, of some nine or ten oils, known as the rape oil group, between the non-drying and the semi-drying oils. In Livaches test after seven days it absorbs 2.9 per cent. of oxygen. The following fatty oils are the principal oils used for adulteration of rape oil:—Linseed, hemp seed, poppy seed, cameline, cotton seed,

ravison, hedge mustard. Refined fish oils, and sometimes paraffin or rosin oils, together with sperm oil, are used to correct the specific gravity. These latter can be easily detected by the increase in the amount of unsaponifiable matter. The addition of large quantities of a fatty oil, other than one of the rape oil group, e.g., hedge mustard or ravison, is recognisable by the iodine value. This should be from 97 to 103.6. Specific gravity should not exceed 0.916, any higher figure is suspicious. Owing, however, to "corrections" made in adulterated oil, the sp. gravity is by no means a conclusive test. The titre test (11.7°-12.2°) with the fatty acids will give values raised above normal by cotton seed oil, and depressed by other fatty oils. The Halphen colour test will confirm the presence of cotton seed oil, unless heated cotton seed oil has been used. Thermal tests, with sulphuric acid or bromine, are of value in detecting adulteration with drying or semi-drying oils. The presence of a large amount of erucin in rape oil gives it a very low saponification value, 170 to 175. This is lower than any of the fatty oils usually used as adulterants, consequently this is one of the most valuable tests for adulteration. It is not, however, possible to detect other oils of the rape oil group by this means, as they also have low saponification values. Comparison of viscosity with a sample of known purity is a valuable indication of purity. Hedge mustard oil can be detected by the Valenta test; the sample is treated with insufficient alcoholic potash to saponify it, the soap solution is filtered off, and strong HCl added to the filtrate. A green colour indicates the presence of hedge mustard oil. Commercial oils may contain sulphuric acid owing to insufficient washing when refined. The oil may be found to be contaminated with charlock oil, from charlock weeds being present among the rape plants. The oil is chiefly used for lubricating and burning purposes. A certain amount is also used for making soft soap. Oils free from sulphur, which is often present after extraction with carbon bisulphide, are used in India as an edible oil. The other principal oils in the rape oil group are:—Garden cress oil, ravison oil (Black Sea rape oil), hedge mustard oil, black mustard oil, white mustard oil, radish seed oil, jamba oil.

Rape or Colza.—Rape seed is very largely imported for the extraction of its fixed oil. It is derived from the seeds of several largely cultivated varieties, and forms belonging to the variable species *Brassica campestris*, chiefly from its varieties *Napus* and *Rapa*, and races of them to which the name of *oleifera* has been given. Until about sixty years ago colza oil was largely used in this country for illuminating and other purposes, but owing to the increased consumption of this oil, rape seeds from other countries were used for the manufacture of colza oil, especially the German seed from *Brassica campestris* var. *Rapa*, known in Germany as Rübsen. But when East Indian rape seed, known as tori in India, derived from subspecies of *Brassica napus*, var. *oleifera*, was introduced into European oil mills, the term colza oil became a generic one applied to a refined rape oil from the various commercial rape seeds. The restriction of the term colza oil to a French oil or even a German oil became no longer tenable, and colza oils are sold in trade which are made from East Indian seed, such as Cawnpore and Guzerat seed. Colza oil was originally an expressed oil, and the term best refined colza oil can still be rightly applied to an expressed rape oil, such as is used for edible purposes. Oil of this character is largely used by bakers for greasing the ends of loaves in the oven, and is known to bakers as bread oil. But this quality of oil must not be confounded with refined colza oils that are called pure, which, being extracted with solvents, are not fit for edible purposes, but should be used only for illuminating or lubricating purposes. Cold drawn rape oil is also used as an edible oil especially in India and on the Continent. The oil from *Brassica campestris* var. *B. napus* was termed in French *Huile de navette*, in German *Rapsöl*, and that from *Brassica campestris* var. *Rapa*, *Huile de Rabette*, and in German *Rübsenöl*. Winter and summer races of these two varieties were also used to yield rape oil, but these oils differ apparently only in consistence, the summer oil being thinner and solidifying at a slower temperature; the latter is rare



The C.&D. Commercial Compendium



suitable for illuminating and less for lubricating purposes, the more viscous oil being preferable for the latter. Enormous quantities of rape oil are used for lubricating purposes, both in the refined state and as "blown" rape oil, prepared by passing a current of warmed air through the oil, by which its viscosity is increased. No other oil possesses so high a viscosity as rape oil except castor, and its viscosity is fairly constant, so that oils with less viscosity with a s.g. higher than 0.9160 may be suspected of adulteration. It has been found to be adulterated with linseed, poppy, ravenon, cotton seed, and other oils, according to market prices. As a lubricant rape oil has the advantage over castor oil, that it is miscible in all proportions with mineral oils. The oil is also used for quenching steel plates. Oil from Black Sea rape seed, yielded by a kind of wild variety of *Brassica campestris*, is known as Black Sea rape oil or Ravison rape oil. It contains 33 to 40 per cent. of oil. It has stronger drying properties than rape seed oil. It is therefore not so suitable for lubricating purposes as rape oil, and its admixture with rape oil must be regarded as an adulteration. Rape seed has also been exported from China and Japan. In France, colza oil production extends throughout the north-west regions and the plains of the north, and the seed is said to average twenty bushels per acre, and 50 lbs. of oil to be obtained from twenty-two gallons of seed. The Indian seed exported from Guzerat, which was formerly largely crushed at Danzig, is found to yield 3½ per cent. more oil than the European seed, and leaves on expression a cake richer in fatty matters and albuminoids. It is shipped from Bombay, and fetches the highest price of any East Indian rape seed. Rape seed is also imported into England from Calcutta, Madras, Ferozepore, and from Russia. Rape oil is obtained by crushing the seeds between rollers, and the meal obtained is either expressed or extracted with carbon bisulphide or petroleum ether. As the expressed seed contains a considerable amount of mucilaginous matter, it forms excellent cattle food if the rape seed is free from mustard or other wild seeds, but the cake treated with solvents is unsuitable for cattle food, and has to be utilised as manure. The seeds yield from 33 to 43 per cent. of a brown oil which is refined by treating with about one per cent. of strong sulphuric acid, which carries down impurities. The oil thus refined is pale yellow, and has a characteristic smell, and except in the finest qualities, a harsh unpleasant taste.

Raspberry *Rubus Idæus*, Linn. (N.O. *Rosaceæ*).—The fruit of this well-known plant is chiefly used in medicine in this country for the preparation of raspberry vinegar, and in the form of a syrup for flavouring medicine. The shrub grows to a height of six feet, under favourable conditions of soil and moisture. It is indigenous to the greater part of Europe and to Northern Asia as far East as Japan. It is supposed by some botanists to be derived from *Rubus strigosus*, Michaux, and is in fact identical with the *Rubus strigosus* of Pursh, which is common in North America and Japan. The leaves are pinnate, with one to two pairs of leaflets, which are sessile, ovate, rounded at the base, and abruptly pointed at the apex and doubly serrate at the margin, about 2½ to 3½ inches long, and nearly as broad, whitish beneath, with appressed felted hairs. The dried leaves are very largely sold by herbalists, a tea being made from them. The infusion is also used as an astringent and stimulant gargle for sore mouths, and as a wash for ulcers and wounds, and in the form of a poultice with slippery elm bark for removing proud flesh and cleansing wounds. The tea is also given in stomach complaints of children.

Raspberry Vinegar.—The best type of raspberry vinegar is made by macerating fresh berries in vinegar, straining and dissolving sugar in the liquid. If diluted acetic acid is used in place of vinegar care must be taken to indicate the fact in labelling. (See *D. & D.*, 1928, II, 326.)

Rare Earth Elements.—There are a considerable number of elements, known as the rare earth elements, which are extracted from the rare earths. These elements are in general, so similar in their properties that great difficulty is found in separating them from each other. These differences are, with the exception of cerium, gradual and somewhat akin to the differences found between members of a homologous series of organic chemistry. Bohr considers that the smallness of these differences are due to an increase in the number of electrons in an inner shell, while the number in the outer shell remains the same. This group of elements are often divided into three sub-groups according to their similarity:—

	At. wt.	Colour of salts	Colour of oxides
CERIUM EARTHS:			
Ce. Cerium ..	140.25	Ce^{iii} colourless Ce^{iv} yellow to red	Ce^{iii} unknown Ce^{iv} quite pale yellow
La. Lanthanum ..	138.9	Colourless ..	—
Pr. Praseodymium ..	140.92	Leek green ..	Yellowish green
Nd. Neodymium ..	144.27	Rose to violet red	Bluish grey
Sa. Samarium ..	150.43	Topaz yellow	Yellowish
TERBIUM EARTHS:			
Eu. Europium ..	152.0	Rose	Rose
Gd. Gadolinium ..	157.26	Colourless ..	Colourless
Tb. Terbium ..	159.2	Rose	Rose
YTTERBIUM EARTHS:			
Dy. Dysprosium ..	162.52	Green	} Coloured
Ho. Holmium ..	163.4	Orange yellow	
Er. Erbium ..	167.7	Red	
Tm. Thulium ..	169.4	Pale bluish green	
Y. Yttrium ..	88.9	} Colourless ..	} Colourless
Yb. (Neo-) Ytterbium ..	173.6		
Sc. Scandium ..	45.1		
Lu. Lutecium ..	175.0		

Scandium was predicted by Mendeleef from the periodic system, and designated by him "Ekaboron." Thorium. At. wt. 232.15 has many properties in common with the rare earths, and is by some chemists reckoned as a rare earth metal. With the exception of cerium, lanthanum, and praseodymium, which are sometimes quadrivalent, the rare earths are trivalent. The quadrivalency of cerium is used for the separation of cerium from other rare earths by heating the trivalent oxide Ce_2O_3 in air, with the formation of CeO_2 . The rare earth elements in their behaviour in many ways resemble the bivalent alkaline earth, the more strongly basic, e.g., lanthanum resembles calcium. The basicity decreases towards the ytterbium group, which resemble aluminium rather than calcium. Cerium dioxide, however, behaves more like the oxides of iron, aluminium and chromium, being insoluble in acids after ignition. It even acts as an acid toward the strongly basic trivalent oxides of the lanthanum group, forming salts with them. This salt formation turns cerium dioxide deep brown on admixture with even small quantities of these oxides, or even with Ce_2O_3 . This colouration is therefore a useful criterion of the purity of cerium dioxide. This gradation in basicity is used to separate the rare earths, by precipitating a solution of mixed salts with a small quantity of a solution containing hydroxyl-ions, when the weakest bases will separate first. Repetition of this fractional precipitation has been used especially for separating members of the ytterbium group. Separation of the rare earth elements from each other has also been accomplished by fractional crystallisation of their double sulphates or double nitrates. The rare earths are separated from other elements, either by formation of their oxalates, which are very slightly soluble in mineral acids, differing in this way from oxalates, or by means of their sulphates, which have been found to be more soluble in cold than in hot water to a more marked degree than is general with sulphates.

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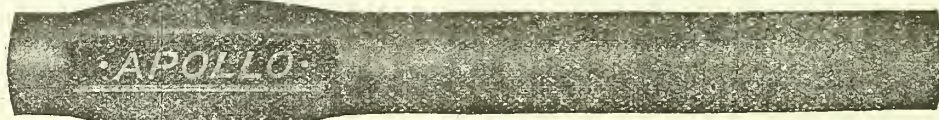
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ESTABLISHED 1843

HEWLETT'S LYSOL

Of guaranteed strength and miscible with water

"Possesses a higher germicidal value than carbolic acid and probably nearly three times as high."—
The Lancet.

SUPPLIED BEARING YOUR OWN NAME AND ADDRESS ON ORDERS OF 3 DOZEN BOTTLES.

Net Price: In 4-oz. bottles, 5/- per doz.; 8-oz. ditto, 9/- per doz.; 16-oz. ditto, 15/6 per doz.; 20-oz. ditto, 20/- per doz.; 32-oz. ditto, 27/- per doz. Special Prices for Bulk. Showcards Free.

Specially Prepared by

C. J. HEWLETT & SON, LTD.,

35-42 Charlotte Street, and 83-85 Curtain Road, LONDON, E.C.2

**BAISS BROTHERS & CO., LTD.**

Wholesale and Export Druggists, Manufacturing Chemists and Druggists' Sundriesmen.

EFFERVESCENT APERIENTS.

Provide NOW for your requirements during the approaching season. Our

CARLSBAD, GLAUBER, HEALTH SALT AND FRUIT SALINE

are amongst our leading lines. They are all attractively labelled and packed. Let us quote you and submit samples.

DELIVERIES BY OWN MOTOR SERVICE IN THE HOME COUNTIES, INCLUDING COAST TOWNS.

Telegrams: "Ipecac, London."

GRANGE WORKS, LONDON, S.E.1

Telephone: Hop 4362 (3 lines).



"Fine 'Tosse' Products"

**NITROCLERAN
BISMOGENOL
EKZEBROL**

EXTENSIVELY ADVERTISED TO THE MEDICAL PROFESSION

Importers: **BOXALL SMITH & CO.**
163a Strand, London, W.C.2

"Multum in Parvo."

"VAPOFORM" Disinfectant

Regd.

For disinfection of
Rooms,
Confined Spaces, &c.for HOME
and HOSPITALHas no injurious effects
whatever on Furniture,
Utensils, &c.Small size, capable of disinfecting
1000 to 2000 cubic ft., 8/6 per doz.Large size, capable of disinfecting
3000 to 6000 cubic ft., 13/- per doz.

Sole Proprietors—

HARKNESS, BEAUMONT & CO., LTD.
Wholesale Chemists, EDINBURGH.*Antiphlogistine*

£5 Orders give 33% net. Carriage Paid

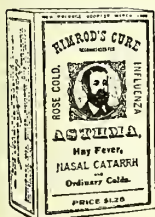
THE DENVER CHEMICAL MFG. CO., LONDON, E.3

**ROBERT
BLACKIE***Wholesale
Manufacturing Chemist***SHEN WORKS
TOWER BRIDGE RD.
LONDON - S.E.1**Telephone :
HOP 2422 & 2423Telegrams :
USHENSPUNA,
LONDON.

FOR

**"SPUN"
OINTMENTS****Emulsified Liquid Paraffin S.G. 885/90****"SPUN"
NOLON CREAM**

An ideal Preparation containing 65% of the purest Liquid Paraffin scientifically combined by special process, with Agar-Agar. It forms a highly palatable and most efficient Aperient and Intestinal Lubricant for Adults and Children. It is ideal for giving ease and relief in cases of Intestinal and Bowel Irritation due to Hæmorrhoids, Ulceration, etc. When the constipation is very persistent this Preparation can be obtained combined with Phenolphthalein or with Magnesium Hydroxide to counteract acidity.

**AN EXCELLENT PREPARATION
WITH an INCREASING DEMAND***Terms allowing a Popular Price & Generous Profits***ALL REQUIREMENTS of the PHARMACIST***DROP A P.C. FOR PRICES***EVERY SALE OF****HIMROD'S
Asthma Cure****CREATES A SATISFIED CUSTOMER
SUFFERERS SEEKING RELIEF FROM**

The paroxysms of
**BRONCHIAL ASTHMA
Asthmatic Hay Fever
Common Colds
Nasal Catarrh
Bronchitis**

Will be quickly helped by the use of this time-tried remedy.
Burn half a teaspoonful, inhale the fumes and the distress vanishes.

ON THE MARKET FOR OVER 50 YEARS

"Himrod's Cure is a well known product, very useful in many cases."
—W. J. Hadley, M. D., formerly lecturer at London Hospital.

May be had from wholesale distributors throughout the world

**Himrod Manufacturing Company, Mfrs.
463/5 Eleventh Street, Hoboken, NEW JERSEY, U.S.A.**

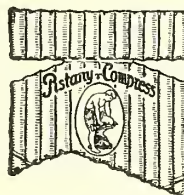
**RADIO-ACTIVE MUD**

is being Recommended by the
MEDICAL PROFESSION
for the Cure and Treatment of

Rheumatism, Arthritis, Sciatica, &c.

WE ARE CONTINUALLY ASKED TO GIVE NAMES
OF LOCAL STOCKISTS.

Send for
Full
Particulars
and
**BEST
TERMS**
to—



Cube
Retail 12/-
Compress
Retail 20/-
Liberal
Trade
Discounts

Sole Concessionaires for the British Isles :

McCLURE, YOUNG & Co. Ltd.

Disinfectant Manufacturers,

ECLIPSE WORKS - LONDON, S.W.13**D D**

May we call yourattention to:—**PETROLAX** (BROWN CARTON)

(REGISTERED TRADE MARK)

THE IDEAL PARAFFIN AND AGAR-AGAR EMULSION**PETROLAX COMPOUND**

(RED CARTON)

A COMBINATION OF PETROLAX AND PHENOLPHTHALEIN**PETROLAX ALKALINE**

(BLUE CARTON)

A COMBINATION OF PETROLAX AND MIST. MAGNES. HYDROXIDI*Note the Prices:—*RETAIL 2/- (Nominal $\frac{1}{2}$ lb.) 14/- doz.

,, 3/6 (,, 1 lb.) 24/- ,,

,, 6/- (,, 2 lb.) 44/- ,,

*Stocked by the leading Patent Houses, or direct from the SOLE MANUFACTURERS:—***C. R. HARKER, STAGG & MORGAN, LTD.****Mile End, London, E.1****SHEPPEY'S**
MEL ROSE**Tablet for Face and Hands**

is displayed and recommended by Pharmacists who know how readily it has sold during 49 years both to customers who cannot afford more costly Preparations and to hundreds of thousands who can. Our Spring-Summer Advertising has now commenced.

TERMS: Of all Wholesalers:

	Per Doz.	Per Gross
2d. Tablet (formerly 3d.) ..	1/4	16/-
4 $\frac{1}{2}$ d. Tablet (formerly 6d.) ..	2/10 $\frac{1}{2}$	34/6

THESE LINES ARE
—P.A.T.A. LINES—

In addition to the Tablet, our Spring-Summer Advertising features MEL ROSE "New Century" CREAM (in Tubes). This complexion cream, introduced a year ago, at once established itself as a quick-selling popular summer line.

Of all Wholesalers:

	Per Doz.	Per Gross
6d. Tube ..	4/-	48/-
10 $\frac{1}{2}$ d. Tube ..	6/3	75/-

MEL ROSE "New Century" CREAM

Manufacturers:
ROBERTS & SHEPPEY, 2 Skipton Street, LONDON, S.E.1

SULPHUR TABLETS

of Guaranteed Purity and Excellence of Finish.

NOTHING BETTER.

(Lemon, Lime, Orange and Raspberry Flavours.)

28 lb. at 1/- 56 lb. at 10d. 1 cwt. at 9d.

CARTONS AND SHOWCARD.

"CASPIRIN." A Fine Tonic Laxative.

A skilful blend of Aspirin & Cascara with Chocolate Base. 25's at 4/6 doz. 50's at 8/- doz. Your name on $\frac{1}{2}$ gross.

HEART-SHAPE Indigestion (B.-B. Best).

Really Good. 20z. Artistic Cartons. 36 - gross. Also Bulk. Send for our List of All Lines and Save Money.

BUCKLEY-BOWKER TABLET CO., LTD.

PARKFIELD ST. and BERNERS ROAD, LONDON, N.1

PROFIT & REPUTATION

Assured by avoiding imitations and selling

"O. A. P.'s"

(ORIGINAL ANTISEPTIC PASTILLES)

As prepared by WM. ALFRED JONES,
late Joint Proprietor of the

LIVERPOOL THROAT HOSPITAL*Samples and prices on application*

Sole Agents, WM. ALFRED JONES LIMITED,
West India House, Maryland Street, LIVERPOOL.

TRY AN 'ASPRO' WINDOW DISPLAY AND BUY ON BONUS TERMS

We are frequently pointing out the wonderful pulling power of the 'ASPRO' Window Display on account of its linking up with continuous and ever-increasing publicity. A test made of a display will interest all chemists who wish to increase their business.

'ASPRO' has a Tremendous Power to Build Up a Chemist's Business

A test will demonstrate what a great power 'ASPRO' Publicity is to help the Chemist. It is not only on account of the actual 'ASPRO' that it usually sells, but also on its great value in bringing customers into the Chemist's shop who would not otherwise have come in. Every time you put an 'ASPRO' window display in you connect up with a £250,000 continuous advertising activity just the same as if you put your own name at the foot of the advertisements. Why not write us for a window display to-day, also take advantage of the liberal bonus terms shown below whereby you can make an extra 17% profit?



SEND FOR ONE OF THESE DISPLAYS



Buy 'ASPRO' on Bonus Terms and Get 17% EXTRA PROFIT

Just have a look through your purchases of 'ASPRO' and you will find that you are in a position to buy on Bonus terms. Buying on Bonus terms means extra profit averaging 17% to you. So why not place your next order through your Wholesaler on Bonus terms?



WHAT THE BONUS IS

BONUS on 10's { One Gross Order - Bonus 1 doz. pkts.
Half Gross Order - Bonus ½ doz. pkts.
Half Gross 10's is minimum order accepted for Bonus purposes.

BONUS on 25's { One Gross Order - Bonus 2 doz. pkts.
Half Gross Order - Bonus 1 doz. pkts.
Quarter Gross Order - Bonus ½ doz. pkts.
Quarter Gross is minimum quantity.

NO BONUS ON 60's.

CONDITIONS

The only conditions made are that the Chemist who buys on these terms undertakes to show Advertising matter in his shop window for 14 days and sell at advertised prices. As 'ASPRO' is so extensively advertised, this action will not only bring customers into the Chemist's shop to purchase 'ASPRO' but should enable the Chemist's staff to make other sales to the customers. Acceptance of Bonus is considered acceptance of conditions regarding display and selling prices. For Bonuses it is not necessary to buy both sizes at the same time, i.e., single lots 6 dozen 10's or 3 dozen 25's will qualify the Chemist.

HOW TO ORDER BONUS PARCELS

We do not sell direct to the Chemist. All our business goes through Wholesalers. Orders may be sent either to your Wholesaler or direct to us. If to us, state the name of your Wholesaler so that we may forward the order on, and the Bonus will be supplied direct by us.

ORDINARY PRICES for 'ASPRO' are as follows: { 6d. size containing 10 tablets - 4/6 dozen
1/3 size containing 25 tablets - 11/6 dozen
2/6 size containing 60 tablets - 21/- dozen } **NOTE.**—2/6 size contains 10 extra tablets.

'ASPRO' consists of the purest Acetyl Salicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

Agents: GOLLIN & Co. Pty. Ltd. ('Aspro' Dept.), Slough, Bucks.

No proprietary right is claimed in the method of manufacture or the formula.

'Phone: SLOUGH 608

Link up with Nujol advertising

Nujol advertising for 1929 is to continue throughout the summer. Its purpose is to bring about daily use of Nujol by the fit as well as the ailing to ensure regular habits and good health.

No retailer should neglect frequent window and counter displays to link up his shop with this summer time advertising.

*A postcard will
bring particu-
lars of Special
Bonus Offers
for Window
Display.*

Nujol

REGISTERED TRADE MARK

Distributors for NUJOL LABORATORIES:

ANGLO-AMERICAN OIL CO., LTD.
ALBERT STREET, CAMDEN TOWN, LONDON, N.W.1

Telephone:
Hampstead 8066.

PRICES:

2/- size
16/10 per doz.
3/- size
25/2 per doz.
13/6 (100 oz.
Hospital size)
117/6 per doz.

Telegrams:
"Nufinjol-Norwest-
London."

DISPENSING LINES TO NOTE

"ARCOLAX"

A natural Vegetable Product for the
treatment of Habitual Constipation.

Boxes **3/4**

"ROBUVAL"

Elixir Strontii Bromid. et Valerian.
Deodorat. An extremely palatable
Calmativ and Nerve Sedative.

8 oz. Bottles **3/6**

Prepared and extensively advertised by

ROBERTS & CO.
PHARMACIENS

76 NEW BOND STREET, LONDON, W.1

Telephone: MAYFAIR 4173-4.

Cephos

THE PHYSICIAN'S
REMEDY

ENJOYS AN INCREASING SALE

Write for window display
and other publicity matter to
CEPHOS LTD.
BLACKBURN

**LIBERAL
TRADE
TERMS**

—

**POWERFUL
ADVERTISING**

**POWDERS
AND
TABLETS**

—

**RETAIL AT
1/3 and 3/-**

Zam-Buk

OINTMENT

*Regularly Advertised
—Always In Demand*

WRITE TO C.E. FULFORD, LTD., LEEDS, FOR PARTICULARS.

Collosol Argentum Dentifrice

THE SILVER WAY to Perfect Mouth Hygiene



Pharmacists' attention is drawn to the new and attractive counter display Container, supplied with every order for 12 tubes, and with which one extra tube is sent as bonus.



THE CROOKES LABORATORIES

(BRITISH COLLOIDS, LTD.)

22 CHENIES STREET, LONDON, W.C.1

Telegrams: Collosols, Westcent, London. Telephone: Museum 3663, 3697 & 5757

Export Distributing Agents: AYRTON, SAUNDERS & CO., LTD., Liverpool

If you would protect your customer from

INFLUENZA

persuade him to use a

DEVILBISS SPRAY

BOTH NIGHT AND MORNING.

You can supply him with one complete with solution for 4/6

Ask us about this—

THE DEVILBISS CO., LTD.,
WEST DRAYTON : : MIDDLESEX
And 27 Old Bond Street, W.

GARFIELD TEA

PROMPT SHIPMENT

ALL SIZES

'Phone or Write :

GARFIELD TEA CO.

44 Foxbourne Road
BALHAM, LONDON, S.W.17.

The Cream of Creams

Among popular-priced face creams Snowfire is leading the way. Its name, its reputation for purity, backed by steady advertising, ensure its rapidly growing success. Like all the other Snowfire products, Snowfire Cream is a good, sound line to handle.

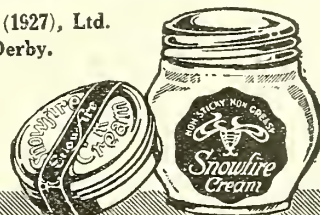
Snowfire Tablet. Snowfire Face Powder.
Snowfire Jelly. Snowfire Shampoo.
Snowfire Toilet Soap. Snowfire Shaving Stick.

Snowfire CREAM

In Opal Jars and Aluminium containers retailing at 1/3 and 3d.

F. W. Hampshire & Co. (1927), Ltd.
Sunnydale Works, Derby.

Agents—India:
Messrs. Siqueira & Son,
121 Fort St., Fort, Bombay.
Australia:
Messrs. Salmon & Spraggon
(Australia) Ltd.,
218 Kent St., Sydney, N.S.W.



GARDINER'S OVERALLS

For CHEMISTS & DRUGGISTS

SEND FOR NEW ILLUSTRATED LIST.

Jackets and Coats of very superior quality, made from the most reliable materials, smartly cut and thoroughly well finished in every detail.

WHITE DRILL JACKETS ... 6/11, 8/11, 10/6
 KHAKI DRILL COATS 6/11, 8/6, 10/6, 12/6, 14/6
 WHITE DRILL COATS 7/6, 9/6, 12/6, 13/6, 15/6
 BLACK DRILL COATS ... 15/6
 UNBLEACHED COATS ... 8/6

STOCK SIZES: 34 to 44 chest measure over waistcoat. Special pockets and little adjustments can be made without extra charge. POSTAGE on single coat 9d., but 20/- orders upwards carriage paid. SPECIAL PRICES FOR LARGE QUANTITIES.

GARDINER

& CO. (The Scotch House), LTD.

1, 3, 5 Commercial Road, LONDON, E.1

Telephone: Bishopsgate 6751.

Established 1839.

BRANCHES:

Deptford, Edgware Road, Woolwich,
 Clapham Junction and Knightsbridge.

In the last
 5 years
 the sales of



TOWN TALK

LIQUID SILVER POLISH
 & SILVER PLATE CLOTH
 have increased
3 Fold

Get your share of the
 trade by ordering from

JAMES WOOLLEY, SONS & CO., Ltd.,

Manchester

AYRTON, SAUNDERS & Co., Ltd., Liverpool

BROOKS & WARBURTON (American Drug
 Supply Co.), Ltd.

Town Talk Polish Co.

Whitby St., Bradford Road, Manchester



TRADE MARK
 REGISTERED
 NO. 462,940

"SPETON"

Originally known to the
 Medical Profession as
 "SPERMATHANATON."

Entirely free of Quinine and Cacao butter

ANTISEPTIC PROPHYLACTIC TABLETS

Manufactured by

Sole Agents for U.K. & British Colonies,

The Temmler Chemical Works, Berlin. COATES & COOPER, 41 Gt. Tower St., London, E.C.3



CACHETS "FINOT"

(White or Coloured)

With inscriptions in any desired
 tint; also Plain or Embossed.

"A distinction all their own."—C. & D.

"Perfection of Cachets."—Lancet.

These Cachets are especially adapted for Headache, Neuralgia
 and other powders.

COOPER SON & CO. LTD., 80 Gloucester Road, SOUTH KENSINGTON.
 In 17 Sizes to fit the various types of Cachet Machines.

ALL CHEMISTS
 SHOULD STOCK

ABDINE

THE GOLD MEDAL HEALTH DRINK

Quick Seller.

Big Profits.

Over 50 years' Reputation.

"Abdine" is the most popular Health Drink. Perfectly safe for all ages.
 Made from choicest fruits, it does not contain Epsom or Glauber Salts. Year
 after year the sales are steadily increasing.

DUNCAN McGLASHAN, LTD., ABDINE WORKS, WESTFIELD RD., EDINBURGH

AN OLD-FASHIONED—BUT REALLY EFFECTIVE
 remedy for COUGHS, COLDS, IN-
 FLUENZA and BRONCHIAL troubles.

Licoricine

ACTS LIKE MAGIC

Prices 10½d., 1s. 3d. and 3s.

MANDALL & CO. Ltd., 17/23 Stepney Rd., Newcastle-on-Tyne.

LIVERPOOL BRANCH: 130/132 RICE LANE, LIVERPOOL (Telephone: 59 Walton).

Distributing Depot for Lancashire and Cheshire.

TERMS.

10½d. size, 8/6 per doz.

1/3 " 12/- "

3/- " 27/- "

Less 5% dis. on £5 orders.

Carriage paid on orders of
 £25 and over.



SPECIAL WINDOW DISPLAY BONUS SCHEME

Order 3 doz. 1/3 size and you receive
3 1/3 size FREE.

Order 5 doz. 1/3 size and 1/2 doz. 2/-
size and you receive 6 1/3 size and
1 2/- size FREE.

Order 10 doz. 1/3 size and 2 doz. 2/-
and you receive 12 1/3 size and 6
2/- size FREE.

All Orders sent Carriage Paid
through usual wholesaler.

How many possible customers pass you by?

Chemists who are showing the specially prepared Window Bills and Counter Display Cards are noticing a considerable improvement in their sales. You, too, can sell more Lysolats, by attracting customers to your window. Send for the free Display items. Combined with the generous Bonus Offer, they bring you extra profit on every tin of Lysolats you sell.

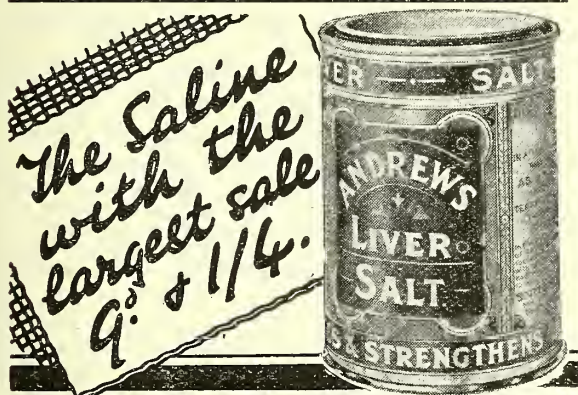
Lysolats

(LYSOL TABLETS)

PATENT 118667

The safe form of lysol

SOLIDOL CHEMICAL LTD., Disney Street, LONDON, S.E.1. ☐



CHEMISTS SHOULD ALWAYS HAVE IN STOCK

TOWLE'S PENNYROYAL & STEEL PILLS

Advertised all over the world.
ESTABLISHED 100 YEARS.

Sole Proprietors:

E. T. TOWLE & CO., LTD.
TOLL ST., NOTTINGHAM

Tested, Tried and Proved

THE value of 'Yadil' is fully recognised by qualified judges. It has been sold all over the world and is being used to-day "back of beyond" as well as in the homes of our own country. Its sale is steadily increasing, old customers are retained while new ones are being added. One or two displayed bottles will quickly establish business which will prove profitable and regular. Any assistance we can give in the provision of advertising material is yours for the asking. The 'Yadil' lines cover, 'Yadil' Anti-septic (liquid and pills), 'Yadil' Ointment, 'Yadil' Pastilles and 'Yadil' Soap.

Yadil Products (1925) Ltd.
Sicilian House, London, W.C.1

LIQUID

Sterns B.P.
is guaranteed to be the finest quality of Liquid Paraffin produced. It has the patronage of the largest wholesalers, the recommendation of the Medical profession, and is used in the principal Hospitals in preference to all other kinds.

STERN'S
LTD.,
80 Royal London House,
Finsbury Square,
E.C.2.

PARAFFIN

Obtain your
supplies of

**COTTON
OIL**

B.P.C.


from

FRANCIS F. FOX & CO., LTD.
BRISTOL and BIRMINGHAM

**THE PREMIER
CHEMISTS' SHOPFITTERS**
Specialists in Design and Manufacture of
CHEMISTS' SHOPFRONTS & FITTINGS
Established over half a century.

SHOW-CASES
For Immediate Dispatch

H. MILLS & SONS, LTD.
163-5 OLD ST., LONDON, E.C.1.



**Dainty Eupax Embossed
Seals which help to sell
your goods**

The additional beauty Eupax Embossed Seals will impart to your goods will at once attract attention and create the desire to buy. Send for samples and see what beautiful effects can be obtained

WILLIAM SESSIONS L^{td}
Dept. C **YORK**

THE METHYLATING Co., LTD.
for METHYLATED SPIRITS.

KINNAIRD HOUSE, Pall Mall East, LONDON, S.W.1
Telephone : Regent 5764-5. Telegraphic Address : "Methcolim, Phone, London."

Build Solidly on "Daisy" Business !

"DAISY" offers you a year-round profitable turnover, ready and sure. A never-ceasing, ever-increasing demand which is the result of the universal prevalence of headaches, coupled with powerful and consistent advertising.

"Daisy" is a regular magnet for new business. Headache sufferers are on the look-out for "Daisy." They see "Daisy" in your window, come in for it—and buy other lines as well.

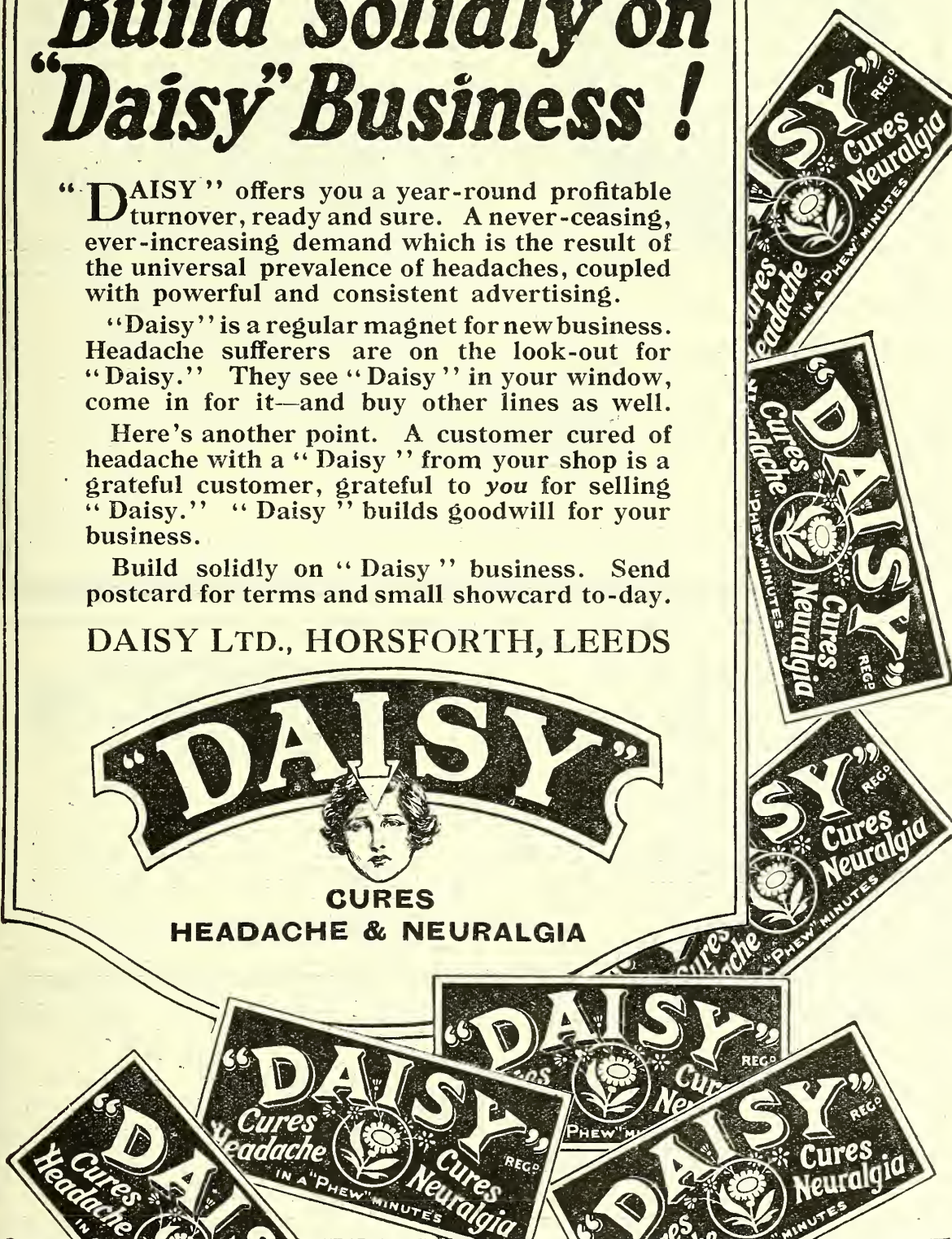
Here's another point. A customer cured of headache with a "Daisy" from your shop is a grateful customer, grateful to you for selling "Daisy." "Daisy" builds goodwill for your business.

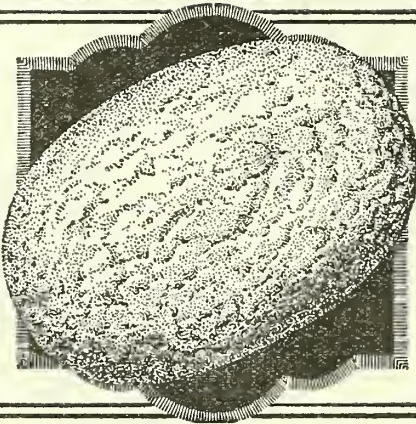
Build solidly on "Daisy" business. Send postcard for terms and small showcard to-day.

DAISY LTD., HORSFORTH, LEEDS



CURES
HEADACHE & NEURALGIA



Two thirds
actual size

Bath Rusks

Unsolicited testimonials daily for Carr's famous Bath Rusks which are ideal for babies and young children. Scores of letters from grateful mothers. Recommended everywhere.

Made only by
CARR'S of Carlisle
The Oldest House in the Trade

ESTABLISHED 1793.

The Best and
Safest Infants'
Medicine of
over 130 years'
standing.

ATKINSON & BARKER'S
INFANTS' PRESERVATIVE

Does not
contain
any
Scheduled
Poison.

ROBERT BARKER & SON, LTD., 13 WESLEY STREET, C. on M., MANCHESTER

MASON'S EXTRACT OF HERBS

MASON'S WINE ESSENCES

(SUMMER FLAVOURS)

CLARK'S LIVER SALT

FOR SUMMER WINDOW
DISPLAY ALLOWANCES
AND TERMS - APPLY

NEWBALL & MASON, LTD.
NOTTINGHAM.

Good! It's Mason's

RIDGE'S FOOD

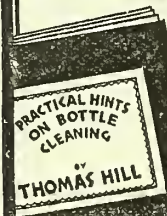
for Infants and Invalids

WELL ADVERTISED to the GENERAL PUBLIC.

SAMPLES, ADVERTISING MATTER and SPECIAL
DISPLAY TERMS ON APPLICATION TO:

ROYAL FOOD MILLS, LONDON, N.16

IF YOU ARE
INTERESTED IN
CLEANER BOTTLES
—you should
get this New Book.



An entirely new work, based on 50 years' practical experience of bottle cleaning. Containing some invaluable information on modern Bottle cleaning practice, it should be in the hands of all interested in securing scientifically clean and sterilized bottles and jars at the lowest possible cost.

Send to-day—free to all executive members of the Trade.

THE THOMAS HILL
ENGINEERING CO. (HULL), LTD.
247/249 BEVERLEY ROAD, HULL.



To protect our retail friends

against making a loss by stocking Sunshine Glaxo, we now date every tin that is issued.

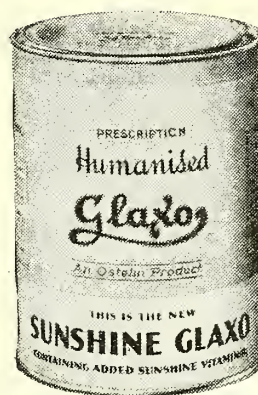
The first batch issued bears the date indicated here, and it is necessary that any stocks so marked should be sold well before the date indicated.

WHAT IS SUNSHINE GLAXO?

The wise chemist bears in mind the latest scientific developments and gives his customers the benefit of his knowledge on such subjects as nutrition.

He knows that no milk-food is now considered entirely satisfactory unless it contains added vitamin D (the Sunshine Vitamin).

Sunshine (Humanised) Glaxo has set the pace in this respect. It approximates closely in composition to human milk, and the added vitamin D it contains makes it the perfect food for infants.



ONLY TWO SIZES
2/- & 4/-

SUNSHINE GLAXO

WITH ADDED VITAMIN D

Attractive Showcards from : SALES MANAGER, GLAXO HOUSE, 56 Osnaburgh St., London, N.W.1

Best sellers

The public is asking for **ZEAL** CLINICAL THERMOMETERS because they are:-
GUARANTEED TO STAY ACCURATE
CONSISTENTLY ADVERTISED

Made by
ZEAL

—the name the public knows.

G. H. ZEAL, LTD.,
75 & 77, St. John St., London, E.C.1.



The best line for the window and counter



Well advertised, highly recommended and well known as a thoroughly dependable crepe bandage, invaluable for VARICOSE VEINS and all support.

NORVIC

Blue Carton Crêpe Bandages

	2"	2½"	3"	3½"	4"
Cost	12/-	15/3	18/3	21/3	24/3
Sell for	1/6	1/11	2/3	2/8	3/-

Discount for quantities : 3 dozen 2½% ; 6 dozen 5%.

Attractive showcards on request.

STOCKED BY ALL LEADING WHOLESALERS.

SOLE MANUFACTURERS—

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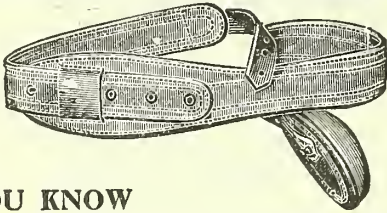
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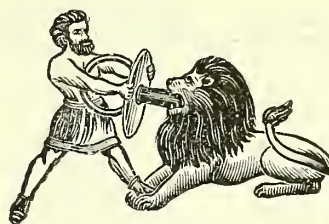
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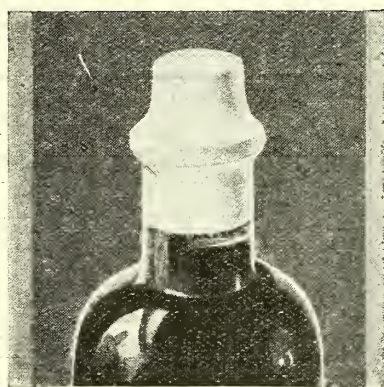
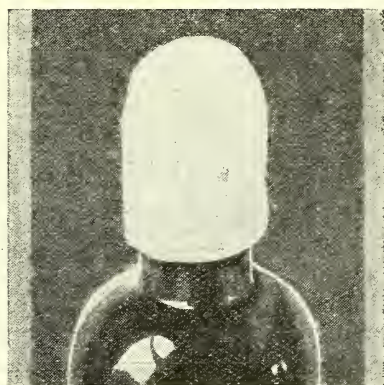
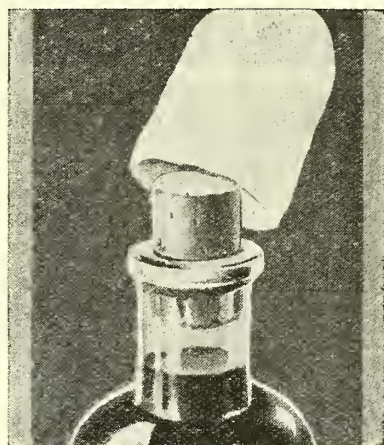
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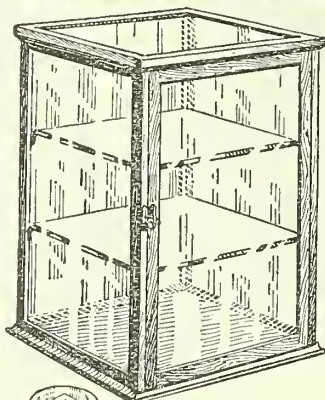
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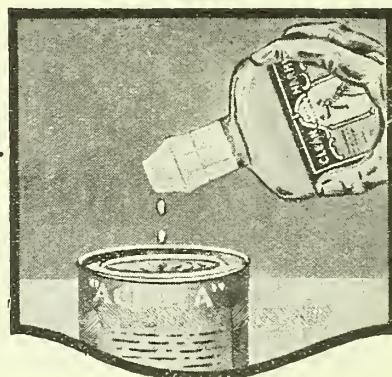
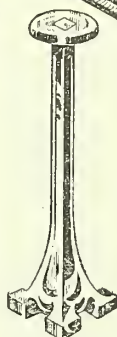
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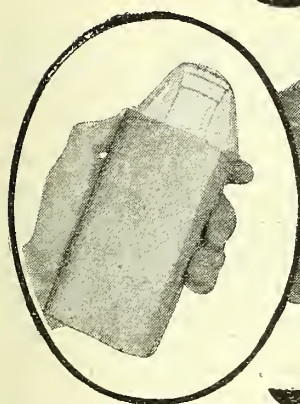
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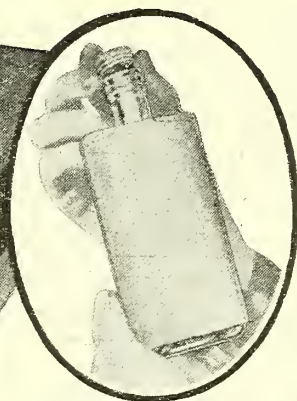
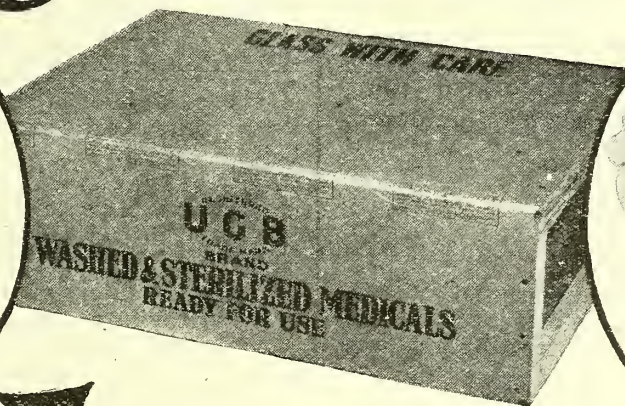
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Manufacturing Chemists
BRIGHTON ENGLAND

THE CHEMIST AND DRUGGIST SUPPLEMENT

42 CANNON ST.
LONDON E.C. 4

MAY 11, 1929

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3.—LONDON, S.W. (Opposite District Railway Station).—High-class Business, with Kodak Agency; established many years; turnover about £3,750; gross profit exceeds £1,400; very good position; best type district; approximate value of stock and fixtures £1,350; held on lease at rental of £220 per annum; terms, valuation of stock and fixtures and a sum for goodwill to be agreed.

4.—LONDON, N.E.—Medium-class Retail and Dispensing Business, with Kodak Agency; returns last year £3,350, with net profit about £1,000; double-fronted shop, well fitted and stocked; good house with bathroom; property may be purchased or lease will be granted; price to be arranged.

5.—WEST KENSINGTON.—Good-class Dispensing Business, with fair amount of Prescribing; Kodak Agency; returns last year £2,440; turnover has increased since end of last financial year; net profit £700; single-fronted shop, well fitted and heavily stocked; large premises; living accommodation; further details on application.

6.—WESTERN SUBURB.—General Retail Business, with Kodak and N.H.I.; established many years; returns £1,900 per annum; has done much more; gross profit one-third; double-fronted shop, well fitted and stocked; house sub-let at profit rental; price £1,150.

7.—LONDON, S.E. (Main Road).—General Retail and Dispensing Business with Post Office; net profit £700 per annum; scope for large increase in Chemist turnover; single-fronted shop, fitted in light oak; good working stock; living accommodation; bathroom; new lease at £120 per annum; price £1,500.

Messrs. O. & Co. desire to emphasize the necessity of a periodical Statement of Account by which means alone Profit, the Value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted and eventually becomes confusion and loss.

8.—SCOTLAND.—General Retail and Prescribing Business, with Kodak and Rexall Agencies; returns last year £2,012; this year shows good increase; net profit 24 per cent.; chartered accountants' figures; rent £25 per annum; held on lease; price £200, plus valuation of stock and fixtures.

9.—HEREFORD (Few Miles from).—Very good-class Business, with Kodak Agency; established 1662; returns £3,100; net profit £620; chartered accountant's figures; double-fronted shop, well fitted and stocked; good living accommodation, with private entrance; rent £47; long lease; valuation terms entertained; total price about £2,250.

10.—SUSSEX.—General Retail and Dispensing Business, offering scope for increase; returns approach £4,600 per annum; chartered accountant's figures; double-fronted shop in main road; well fitted and heavily stocked; freehold must be purchased; further details on application.

11.—KENT.—General Retail Business, with Stationery, for sale, owing to death of proprietor; returns last year £3,155; stock between £300 and £400; price to include freehold property £2,000; further details on application.

12.—ESSEX (Market Town).—Middle-class Retail Business, with Kodak Agency; returns for past 18 months £2,034, increasing; single-fronted, lock-up shop; held on lease at moderate rental; nearest opposition one mile; price £800, or near offer.

13.—GLOUCESTER.—Mixed Country Retail, with Kodak Agency; established many years; returns last year £1,500; scope for increase; net profit £320; single-fronted shop, well fitted and stocked; good living accommodation; garage and private entrance; rent £32 10s. per annum; held on lease; price £870, or valuation terms entertained; reason for sale, vendor has purchased another business.

14.—DORSET COAST.—Cash Drug Store and Tobacconist's Business, situate in good position; returns £2,150; net profit £535; audited books; scope for increase in hands of qualified; attractive shop, well fitted and stocked; living accommodation; price £1,500 or near offer.

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Head Offices—Kimberley House, Holborn Viaduct, London
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PARKIN S. BOOTH, Valuer.

Phone: City 1261-2-3

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1.—**CARMARTHENSHIRE**.—Old-established Chemist's Business situated in good position on main street, with living accommodation; held on lease for 7-14 years; rent £400 p.a.; returns average £35-40; could be increased; stock approx. £8-900. Further particulars on application. (176)

2.—**DURHAM CO.**—Chemist Business for immediate disposal; lease can be arranged at £30 p.a. rent; takings £17; Kodak and Ucal Agencies; good living accommodation. (174)

3.—**ESSEX**.—Two Chemists' Shops for immediate disposal; premises held on lease at rental of £62 and £52 respectively; returns average £1,189 and £792 per annum; price asked £1,000 all at. Full particulars on application. (187)

4.—**HULL**.—Dispensing and Family Chemist Business in busy thoroughfare (which will shortly become a main road owing to alterations); rent £26 on a yearly tenancy, which can be secured; returns £900 p.a.; lock-up shop; good prospects for a young qualified man. Further particulars on application. (170)

5.—**LONDON, E.**—Old-established Retail and Dispensing Business; returns £3,600 p.a.; good living accommodation; freehold for sale, or would consider granting a lease; strongly recommended. Further particulars on application. (188)

6.—**LONDON, N.**—Established Chemist's Business; premises, which include convenient living accommodation, held on lease, 15 years to run; rental £50 p.a.; stock approx. £285; price asked £550, all at. Further particulars on application. (180)

7.—**LONDON, N.W.**—Retail Dispensing Business on 15 years' lease at £52 per annum inclusive; returns £1,000 p.a.; excellent opportunity for young qualified man. Further particulars on application. (183)

8.—**LANCASHIRE** (Seaside Resort).—Death vacancy. Old-established Dispensing and Retail Business; lock-up shop under first-class hotel; on lease; returns over last four years average £1,900 p.a.; could be considerably increased under personal supervision; especially recommended. Further particulars on application. (192)

9.—**SHEFFIELD** (Suburb).—Chemist's Business; recently established; rent 14s. weekly; rates 7s. 6d.; returns approximately £780; could be considerably increased; offers invited. Further particulars on application. (189)

10.—**SOMERSET**.—Drug and Photographic Business; premises, which consist of lock-up shop with room at rear, held on lease with 8 years to run at a rental of £88 p.a. inclusive; good scope for live man; price asked £400. (178)

11.—**SOUTHEND-ON-SEA**.—For immediate disposal, Chemist's Business, in busy centre; premises consist of lock-up shop, with Dispensing and storage room; rent £200 per annum, progressive; returns average £1,500, could be increased. Full particulars on application. (175)

12.—**STAFFS**.—Established Chemist's Business; situated on main road; unopposed in Photo and Optics; returns £24 p.w., scope for increase; lease can be arranged; rent £65 p.a.; price asked, lease and goodwill, £150, fixtures and fittings £150, and stock approx. £450. Full particulars on application. (179)

13.—**HAMPSHIRE**.—Family Dispensing and Retail Business for immediate disposal; premises held on lease 14-21 years at a rental of £90 per annum, including excellent living accommodation, garage, good garden; old-established business; shop beautifully fitted; returns £1,900; Medical Wine Licence; price to be arranged; full particulars on application. (190)

Stocktaking and Valuation of Businesses undertaken at moderate inclusive fee. Chemists are invited to consult us in respect of their requirements in connection with sale or purchase of businesses. Chemists in the North are requested to communicate with our Liverpool Offices.

ERNEST J. GEORGE

Invites correspondence from Pharmacists in England and Wales, also Scotland, who would be willing to negotiate the sale of their business. An immediate market is available for sound propositions doing £40 weekly and over. All letters are treated with utmost privacy, and helpful advice is given regarding value. The present period would appear to be the high-water mark and Chemists who for any reason desire a change or retirement would do well to communicate confidentially as above.

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3.-WESTERN COUNTY.—Good-class Dispensing and Retail, in residential district; returns £1,425; net profit over £400; no immediate opposition; good stock; price £1,000.

4.-DORSET COAST.—Profitable Drug Store and Tobacconist's Business, in prominent position; returns £2,150, besides valuable appointment; net profit £535; audited books; smart shop, well stocked; living accommodation over; price £1,500.

5.-NORFOLK.—Old-established Mixed Country Retail; unopposed; returns £1,160; books properly kept; large house, garage, and splendid garden; well stocked; price £900 or offer.

6.-HANTS COAST.—Good-class Business, in main road position; returns about £1,700; large double-fronted shop, well fitted and stocked; good house, at present sub-let; price £1,100.

7.-SURREY (15 miles out).—Good-class Family Retail and Dispensing Business, in excellent position; returns £35 to £40 weekly; long lease; well stocked; price £1,700.

8.-LONDON, S.E.—Light Suburban Retail, with N.H.I. and Kodak Agency; returns average £1,430; net profit £340; house attached, on lease; price for early sale £850.

9.-SOUTH LONDON.—Chemist's Business, with Post Office attached, in main road position; plenty of scope; net income £700 a year; well-fitted pharmacy, with house; 21 years' lease; price, all at, £1,500.

10.-LONDON, S.W. (Busy Main Road).—Light Cash Retail, with Kodak Agency and N.H.I.; returns last year over £2,000; large house and pharmacy; same hands many years, retiring; price for early sale £1,300.

11.-WESTERN SUBURB.—Good-class Light Retail and Dispensing; returns £20 weekly, increasing; well-fitted pharmacy (lock-up) and good stock; price £650.

Estab. 1870. Telephone: Terminus 3574.

CHEMISTS' VALUER

Charles E. Naylor, F.N.A.A.
170 Vesper Road, Kirkstall, Leeds

TRANSFER AGENT

Phone: Horsforth 324.

JOHN BRIERLEY, F.N.A.A.

CHEMISTS' VALUER and TRANSFER AGENT,
125 QUEEN ST., NEWTON HEATH, MANCHESTER

Exclusive offers: Isle of Wight, Blackpool, High Peak, Southport (near), and Manchester, at valuation.
Approx. £800 to £1,500 required.

"Valuations by fully qualified staff." (Tel.: Failsworth 113.)

MANUFACTURING FACILITIES

London firm with Modern Factory can undertake

Manufacture, Packing, and Despatch
of Foodstuffs, Emulsions, etc.

Apply 146/180, Office of this Paper.

BUSINESSES FOR DISPOSAL.

BEDFORDSHIRE.—Profitable Chemist's business in growing village; well fitted and stocked; good Prescribing; newly opened and already taking at rate of £700 per year; big scope for increase; lock-up shop; low rent; house available if desired; price for quick sale £325, or valuation. 249/25, Office of this Paper.

LEEDS.—For immediate disposal, unopposed high-class Drug Stores in growing suburban district; Kodak; good mahogany fittings; nice modern house attached; takings, under girl management, average £17; this is a golden opportunity for qualified man, as three doctors live in immediate vicinity; price of property, freehold, £1,050; stock and fixtures at valuation and a sum for goodwill; vendor is desirous of selling forthwith, and will meet genuine purchaser with cash reasonably. 246/31, Office of this Paper.

LONDON, S.E., main thoroughfare, near City; old established, with excellent opportunity for development. 246/19, Office of this Paper.

LONDON.—Exceptional opportunity to secure an up-to-date City Pharmacy (no living accommodation); Kodak Agency; main road; valuable stock; ideal fixtures; good profits; turnover £2,000 and steadily increasing, under management; lease 20 years; price £1,000; stock at value; principals only, and preference given to individual chemist. Apply, giving bank references. Write The Jackson Estates, 84a Charing Cross Road, London, W.C.2.

MIDLANDS.—Mixed Cash Retail Chemists; net profits (increasing) over £600 yearly; prominent improving position; well stocked; exceptionally well fitted; good Photographic connection; on lease at very nominal rental; accounts figures available; easily managed; particulars to genuine purchasers; no triflers; references required; comparatively new business with exceptional possibilities; cash price £1,500. 249/8, Office of this Paper.

NORTH WALES.—Good-class Dispensing Business; established 25 years; gross returns £1,400; large lock-up shop, stock cellar, stock room and office; house few doors away available; rent £47; stock £1,174, fixtures £750, goodwill £76. Apply "Con," c/o Southall Bros. & Barclay, Ltd., Lower Priory, Birmingham.

NORTH WELSH COAST.—Dispensing and Photographic Business; annual turnover £1,200; excellent position; large modern house; rent £200, or for shop only £120; lease will be granted; double-fronted shop; price £1,750. Apply "Coast," Southall Bros. & Barclay, Ltd., Lower Priory, Birmingham.

NOTTS.—Smart, well-stocked Pharmacy in developing industrial district; takings average £25 per week; double-fronted shop; Kodak, etc.; stock £475; fixtures £150; price £725. Further particulars apply 246/37, Office of this Paper.

NOTTINGHAM.—Old-established Business in thickly-populated district; busy thoroughfare; compact; nicely furnished; lock-up at very low rental; gas and electric light; well stocked, all new; turnover approximately £1,100 per annum, increasing, at exceptionally good profits; few Patents; Prescribing, Specialities, N.H.I. scripts average 400 per month; Ucal and Kodak Agencies; exceptional opportunity for young man; splendid prospects; owner retiring; approximately £700 required. 148/252, Office of this Paper.

SOUTH HACKNEY.—Sound old-established Pharmacy; excellent position; well stocked and fitted; new modern shop front; genuine reason for disposal. Full particulars at interview; references required. P.C.B. 29/12, Office of this Paper.

SOUTHEND, ESSEX.—£275; genuine Light Retail; main road; well fitted; nicely stocked; lock-up; house available later; rent £48 per annum, plus rates; suit qualified or otherwise; do not under-rate offer because of small sum asked; its genuineness can be proved; full particulars at interview; proprietor for health reasons sacrificing for quick sale. "Statim," 249/22, Office of this Paper.

STAFFORDSHIRE.—Old-established Dispensing Business; gross returns £2,400; double-fronted shop in market town; stock, fixtures, goodwill, £1,800; property, including large house, freehold £1,600, or tenancy can be arranged, rent £90 per annum. Apply "Market," c/o Southall Bros. & Barclay, Ltd., Lower Priory, Birmingham.

STAFFORDSHIRE.—Healthy Drug Store; recently limited; doing £1,000 at good profits, which can easily be increased by younger man; owner retiring; low overhead charges; price £600. Also in Leeds, two Drug Stores, corner shops on main road, each with house attached; low rents; turnover small, can easily be increased; prices £200 and £350, or offer. Marsden, 44 Sholebrooke View, Leeds.

YORKS.—Small country Pharmacy, with house; unopposed; doing £1,000 at good profits, which can easily be increased by younger man; owner retiring; low overhead charges; price £600. Also in Leeds, two Drug Stores, corner shops on main road, each with house attached; low rents; turnover small, can easily be increased; prices £200 and £350, or offer. Marsden, 44 Sholebrooke View, Leeds.

CHEMISTS.—Lock-up shop; modern double-fronted window; expensively fitted throughout; large shop, dispensary, store-room, yard; adjacent to Peck's, Cullen's Stores, etc.; turnover £2,200, including insurance; rapidly developing area; plenty scope; opening Optics; moderate inclusive rent; genuine reason sale; £1,500, or near. Woodman, Pharmacist, 28 Inchmery Road, S.E.6.

CHEMIST'S Business for disposal, London, S.W.; thickly populated district; double-fronted, lock-up shop; main road position; returns £18 to £20 week; capable of big increase; long lease; well stocked; price £550. 250/6, Office of this Paper.

COUNTRY Chemist Business, small town 30 miles from London; freehold shop and dwelling-house; goodwill, stock and fixtures, all at, as going concern, £2,000; very old established, with Stationer's and Newsagent's connection; recent death of owner; accountants' balance sheet. Apply Day, Son & White, Auctioneers, Maidstone.

FOR Sale, established Chemist's Business carried on by Job Carr & Co., Smawtherne Lane, Castleford; takings £25 per week; could be improved; everything £650, or stock, fixtures and fittings at a valuation; good house attached. Apply Beedel, Bank Street, Castleford, Yorks.

FOR Sale, Photographic Chemist's Business in beautiful South Coast town; pleasing position; fitted throughout in oak; good and saleable stock, value about £1,500; interview could be arranged to suit purchaser. 246/160, Office of this Paper.

OPPORTUNITY for progressive Chemist in flourishing South Coast resort; charming oak fitted spacious Pharmacy, pleasantly situated main tram route; Kodak Agency; easily worked; rent £200; rates £20 per annum; stock and fittings £1,500; bargain. Apply 246/16, Office of this Paper.

PHARMACY for Sale; premier position main Road, S.E. London; takings £25-£27 per week; guarantee qualified easily take £30-£40; lease 2 years to run with chance of further extension; opposition negligent; price £550 quick sale; big Prescribing; vast profits; £500 easily made one year; owner well known; references throughout trade. 249/20, Office of this Paper.

BUSINESSES WANTED.

HULL (in or near).—Established Business required; full particulars in first instance; cash. Apply 236/8, Office of this Paper.

GENUINE buyer wants to purchase immediately for cash sound established business; London preferred; interview granted at once; a small concern or Drug Stores with a sound nucleus would also be considered; bankers' references supplied before details need be gone into. 249/14, Office of this Paper.

MESSRS. BERDOE & FISH have a large number of genuine cash buyers seeking Businesses in all parts, up to £5,000. Private register kept, and sales are negotiated without any publicity. Correspondence cordially invited. Transfer Offices, 41 Argyle Square, King's Cross, W.C.1.

MIDDLE-AGED Chemist wants good-class Retail business. Manchester preferred, but not essential; if away from Manchester must have good living accommodation. 247/31, Office of this Paper.

PREMISES FOR SALE.

OPPOSITE EDGWARE TUBE STATION.

CHEMIST'S opportunity to establish remunerative business on high-class promenade at Edgware in centre of large and rapidly growing residential district; first 14 shops all disposed of (including four to handsome drapery establishment); additional six shops now ready; chemist wanted; wonderful chance for progressive man; ultimately this important promenade will comprise about 40 first-class shops, and a large corner site for super cinema, and will be the principal market centre; good deep Shops, two floors over, for Sale, freehold, or would be Let on lease to approved trader at progressive rentals. Call or write, Sole Agent, Leslie Raymond, 24-25 The Mall, Edgware. Edgware 0115.

GOOD house and shop for sale; vacant possession; good opening for good chemist; price £550. Apply to A. Tolson, James Street, Birkenshaw, Bradford.

LUTON, Bedfordshire, M.R. main line, 30 miles from London. Newly-erected Shop on main road, with exceptionally good living accommodation; Chemist urgently required; no opposition; centre of large population; price £1,175, freehold; £900 could remain. Apply A. Mardle, Builder, 37 Selbourne Road, Luton.

PREMIS

NEW BOND STREET.—A few yards from Bond Street, with good passing trade and rates under £500; no Paper.

WITHAM.—Excellent Shop increasing manufacture London-Claeton road; electric drainage; would let on lease Braintree.

SHOPS with Flat over them at Bromley; suit Chemist opposite G.P.O., Bromley, Kent.

TO Chemists, Grocers and two good windows and position of thriving suburb Apply M. F. Barton, 24 Pan

TO be Let or Sold, Pharmacy. I Drug Stores; Kodak Agency acquired; High Dagenham; new premises opened September; average £10 weekly, under female management; healthy and rapidly-growing neighbourhood; double-fronted attractive shop in small parlour; water laid on; nearly facing H.M.V. works; Dispensing and Photography urgently wanted; public phone; rent (inclusive rates and taxes first year) 25s. weekly; stock and fixtures £280; premises (freehold) with garage would be sold £1,400, and owner would stay on at rent of £100 per annum; doctor attends one hour daily. French's Pharmacy, 466 High Road, Dagenham. Phone 959 Romford.

PATENT FOR DISPOSAL.

THE Proprietor of British Patent No. 240,803, relating to "An Improved Manufacture of Petroleum and Petroleum Oils," desires to enter into negotiations with one or more firms in Great Britain for the grant of Licences to Manufacture under royalty. Inquiries to be addressed to D. Young & Co., Chartered Patent Agents, 11 and 12 Southampton Buildings, London, W.C.2.

APPOINTMENT.

CIVIL SERVICE COMMISSION.

ROYAL NAVAL HOSPITALS.—Candidates of under 28 years of age are invited for (a) established and pensionable post as Pharmacist; salary £120, rising by £5 annually to £170 per annum (with current cost of living bonus £195 to £253); unmarried quarters provided or allowance of £49 in lieu; pharmacists are required to serve in any of the Royal Naval Hospitals at home or abroad; preference will be given to candidates who served in His Majesty's Forces in the Great War. Further particulars and forms of application from the Medical Director-General of the Navy, Queen Anne's Chambers, Tothill Street, London, S.W.1. Applications on the prescribed form must be received not later than the 4th June.

SITUATIONS OPEN.

RETAIL [HOME.]

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

BRIGHTON.—Qualified Junior (male) for high-class Dispensing business. State age, experience, and salary in first letter, enclose photograph. 148/244, Office of this Paper.

BUCKINGHAMSHIRE.—Capable qualified Manager required for a middle-class Family and Dispensing business, with house attached, situate in a busy town; plenty of scope for a keen man. Give full particulars, etc. 246/250, Office of this Paper.

BIRMINGHAM.—As soon as possible qualified Manager for growing branch; salary and commission on returns; permanency for a good man; living accommodation if required. Give full particulars and salary required, to 248/14, Office of this Paper.

BOURNEMOUTH.—Qualified Assistant, capable of being left in charge of a good-class Dispensing and Photographic business. Apply, stating age, height, experience, married or single, salary (outdoor), when disengaged, with photo and references of two last engagements, and how long held, to "Pharmacist," 20 Cannon Place, Brighton.

BRIGHTON.—Qualified Assistant for good middle-class business, May 21, outdoor; age about 30. State height, experience, salary required and references, to Savage & Co., Pharmaceutical Chemists, Brighton.

DONCASTER.—Reliable Assistant wanted; accustomed to good-class Retail and Dispensing; single preferred. Full particulars of experience, salary expected, and when at liberty. Greenfield, 41 Hall Gate, Doncaster.

DOUGLAS, ISLE OF MAN.—At once, qualified Assistant for the season; one with some experience of season trade preferred; good Salesman, Photographic, Toilets, etc.; long hours. Apply, stating salary, with references and photograph, to Gelling Bros., The Palace Pharmacy.

LIVERPOOL.—Smart Assistant required; age about 25 or over. Full particulars of experience, salary required, etc., to R. & J. Herman, Pharmacists, Aintree, Liverpool.

LEEDS.—Assistant required May 24; must be accustomed to good-class business and private Dispensing and able to take charge. Written applications to M. E. Murray, 221 Woodhouse Lane, Leeds. Applications not replied to by return are declined.

LONDON, W.5.—Unqualified Assistant required by May 20; must have had good Counter and Dispensing experience and an attractive Window-dresser; preference given to applicant having had experience with Scholes Foot Service Appliances. Apply Bruce's, Ltd., 28 Broadway, Ealing.

LONDON, W.—Capable and experienced qualified Assistant (male); age about 35; permanent position. State full particulars of previous experience and salary required, to Inman, c/o J. F. Harrington, 15 Kensington High Street, W.8.

LONDON, N.W.3.—Manager required (qualified) for a good Family and Dispensing business; good all-round man, aged about 35 to 40. Please give details of experience, when at liberty, etc., to 246/253, Office of this Paper.

LONDON, S.E.—Qualified Manager (married) required for a branch, with house attached, in industrial area; quick cash and N.H.I. business. Give full particulars. 246/258, Office of this Paper.

MIDLANDS.—Smart unqualified Assistant required, with first-class Counter and Window-dressing experience; must be a keen and tactful Salesman. Give full particulars, etc. 246/255, Office of this Paper.

MANCHESTER.—Qualified Branch Manager, young and energetic, required at once for middle-class business, with Photographic and N.H.I. Dispensing. Must have undeniable references; knowledge of Optics an advantage. Please give full particulars of age, experience, salary required, etc. H. Garbutt, 9c Princess Road, Moss Side, Manchester.

MANCHESTER.—Pharmacist (male) required as Assistant; must be over 25 years of age. State age, wage and experience. 249/34, Office of this Paper.

NEWQUAY.—Lady Assistant wanted for season; smart Counter-hand and knowledge of Photography essential. Enclose photo (if possible), state age, height, experience, when disengaged, and salary required (outdoors). Robert E. Pearce, Ltd., 1 Bank Street, Newquay, Cornwall.

NORTH.—Qualified, sound, experienced, permanency, age over 50, or would suit elderly man with good Prescribing experience; abstainer; reliable references. Apply 248/15, Office of this Paper.

PONTEFRAC (YORKS.).—Qualified Manager required, age about 30; good all-round man. Give details of experience and when at liberty. Apply 148/246, Office of this Paper.

ST. MARY'S HOSPITAL, W.2.—Medical Dispensing. Wanted, an Assistant Dispenser (male), not over 30; Minor qualifications essential; salary £200 per annum, with luncheon and tea; hours 9 to 5; late duty and Sunday duty every fifth week. Applications, stating age and experience, and accompanied by not more than three testimonials, to be sent to the Dispenser.

SHEFFIELD.—Assistant, about 24, for mixed business with N.H.I. and Photography. State full particulars in first letter, with photo if possible. 248/18, Office of this Paper.

SUFFOLK SEASIDE RESORT.—Junior Assistant wanted till 1 October, with knowledge of Photography. State age, height, salary (indoors or outdoors), when disengaged, names last employers. Letters not answered in three days respectfully declined. 249/17, Office of this Paper.

WARWICKSHIRE.—A capable, qualified Manager is required for a good-class Family and Dispensing business, with house attached, in residential country town; a progressive permanency for a man with a personality. Give full particulars. 246/257, Office of this Paper.

WESTMINSTER HOSPITAL, Broad Sanctuary, S.W.1.—Qualified Locum required for 12 weeks, commencing June 17; normal hours 10-6; salary £4 per week. Apply to the Pharmacist.

A RELIABLE qualified Manager (30-40 years of age) required for a good-class Counter and Dispensing business in main street of London, W.C.; previous experience of this type essential. Give full particulars of experience, age, salary required, etc., to 246/25, Office of this Paper.

A TEMPORARY Assistant, qualified, from June 3 for four weeks. Full particulars, references, and salary required to H. Reynolds, 39 Belsize Road, Worthing.

A N old-established house, in the North of England, require a competent gentleman of good address (age about 30); must have experience in fitting Trusses, Orthopaedic Appliances, etc.; knowledge of Surgical Instruments an advantage. Apply, stating salary and full particulars, to 148/243, Office of this Paper.

ASSISTANT.—Young qualified or competent unqualified Assistant required for Dispensing and Counter; must have good references and experience. Phone Romford 97, or write Macarthy's, Ltd., Market Place, Romford. Applications unanswered within 3 days respectfully declined.

ASSISTANT, accustomed to good-class business, either unqualified, with good Dispensing experience, or young qualified man. Full particulars to J. H. Shepherd, Pharmaceutical Chemist, 16 Hill Road, Clevedon.

BRANCH MANAGER.—Young qualified man wanted as Branch Manager. Apply, giving full particulars as to experience, references, age, and salary required; photo if possible. Aisby, Ltd., Chemists, Whittlesey, Peterborough.

ELDERLY, qualified, required to manage small branch shop, East London; send full particulars and salary expected; will consider Partnership. P.C.B. 29/39, Office of this Paper.

FIRST-CLASS Manager required for business in the West-End; must be smart and up to date, and have had experience in high-class trade; no house to offer; this position must be filled by a man of exceptional ability, with "go-ahead" ideas and unimpeachable character. All details, please. 246/256, Office of this Paper.

FOR Photographic and Dispensing, Isle of Man; permanency; fully qualified male or female; knowledge of Buying. Copies of testimonials and salary required to Secretary, Photowork (I.O.M.), Ltd., Harris Terrace, Douglas, I.O.M.

HARRODS, LTD., require the services of an unqualified male counter Assistant for their Drug Department; to a man of smart appearance, aged about 30, every encouragement will be given. Apply personally before 11 a.m., or write to Staff Controller, Harrods, Ltd., 44 Bays Crescent, S.W.

JUNIOR Assistant required; one just out of apprenticeship, with Dispensing and Counter experience. State age, height, salary required (outdoors), and enclose photo (to be returned). Might suit a young man from country pharmacy wishing to take advantage of night classes in Leicester. S. Howard Johnson, Pharmacist, 249 Narborough Road, Leicester.

JUNIOR or Improver (male) wanted immediately for good Dispensing and Retail. W. Pickard, 80 North End Road, W.14 (opposite West Kensington Station).

JUNIOR Assistant, with good Dispensing and Counter experience, required at end of May. Williams & Peters, 165 Fortress Road, N.W.5.

JUNIOR required in North-West London; preference given to one who is a good Dispenser, and is used to a quick Counter trade. State particulars of experience, age and salary required. 246/251, Office of this Paper.

JUNIOR Assistant, about 20, for Light Retail and Photographic; easy hours; no Sunday duty. Full particulars and salary required (outdoors). Smith, Chemist, Kidderminster.

LADY, qualified, with Retail experience, capable of taking charge small suburban branch. State salary, experience, and when at liberty. Wilkins, 359 Birchfield Road, Perry Barr, Birmingham.

LOCUM, qualified, June 15 to 29th inclusive. State full particulars. B. Pollard, M.P.S., Dewsbury Pioneers' Industrial Society, Ltd., Dewsbury, Yorks.

LOCUM required, immediately, for few weeks; lady or gentleman; qualified. Particulars, H. Sagar, Chemist, 26 Dorothy Road, Hillsboro', Sheffield.

QUALIFIED Assistant, male, single, outdoor, shortly for six to eight weeks; competent to take charge when required; no N.H.I., no Photography. Please send usual particulars, with two recent references. Shepherd, Barnstaple, North Devon.

PHOTOGRAPHS, TESTIMONIALS, &c.

When answering advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. As can be readily understood, when an advertiser receives from 60 to 100 replies the task of returning photographs, testimonials, &c., is one of some difficulty.

QUALIFIED Manager for small branch near Southampton; age about 30. Please state experience, salary required (outdoors), age, and usual particulars to "Bemax," c/o Messrs. Allen & Hanburys, Bethnal Green, London, E.

QUALIFIED Assistant, at once, for small branch; must have good recent references. Please state full particulars, with photo. Lester, Chemist, Canterbury.

QUALIFIED Junior (male) required, June 3, with experience of good-class Retail and Dispensing and some knowledge of the Photographic trade; other assistants kept. Apply, stating age, height, experience, and salary required, by letter, to Greenish, 20 New Street, Dorset Square, N.W.1.

QUALIFIED lady chemist (Minor) wanted May 21; outdoor; Dispensing, Counter, etc.; salary and commission. State age, height, experience and salary required, to Savage & Co., Pharmaceutical Chemists, Brighton.

QUALIFIED Assistant wanted for West-End house. State age, experience and salary required. Apply 148/251, Office of this Paper.

QUALIFIED Assistant wanted for May 27; smart Window-dresser and well up in Toilet and Photography; must be keen in Sales; Sussex coast town. Please give full particulars in first letter. 249/10, Office of this Paper.

SAVORY & MOORE, 143 New Bond Street, W.1, have a vacancy for a qualified and experienced Dispenser. Apply by letter first, with full particulars and photo if possible, to Manager at above address.

SMART Junior (male) wanted. Full particulars, H. F. Robinson, 95 Marchmont Street, Russell Square, W.C.1.

STOCKTAKERS wanted at once by large firm of Retail Chemists; applicants must have had good experience, and be prepared to move about the country. Please state age, salary required, etc., in first letter. 246/252, Office of this Paper.

UNQUALIFIED Junior Assistant (male) now wanted for summer; Light Retail, Dispensing; knowledge of quick Photographic work essential. State full particulars in first letter, enclosing photo if possible, to W. W. Cowap, Chemist, Felixstowe.

UNQUALIFIED Junior Assistant wanted for season in seaside town; young, energetic and good Salesman. Write, giving particulars of experience, wages, etc., to 249/11, Office of this Paper.

WANTED, a good all-round qualified man to take charge of Chemist's business, situate in Middlesex, with house attached; this is a nice middle-class Family business, with Dispensing; preference given to applicants who have had experience in such a business. Please give all particulars in first letter. 246/254, Office of this Paper.

WANTED, Dispenser-Book-keeper (male), young, energetic, for large middle-class practice, to commence duties on July 1 (assistant book-keeper and dispenser employed). Apply, stating experience and wages required, to Drs. Kirk, Mather & Bowman, Harland House, Norton-on-Tees.

WANTED, qualified Assistant, county borough, South Yorkshire. Apply, with particulars of experience, salary expected, etc., to 148/245, Office of this Paper.

YOUNG qualified Locum, either sex, period June 9-24. Write, stating references, salary required, etc., Bye, Ltd., 23 Quay Street, Ammanford, South Wales.

YOUNG qualified man wanted for old-established West-End business. Apply, stating salary and giving references for past two years, to P.C.B. 30/10, Office of this Paper.

WHOLESALE.

A BEST seller is being extensively advertised, and we need several good men to develop certain districts; the kind of men we want are those already known to Wholesale and Retail Grocers, Chemists, large Stores and Co-operatives; our product is the best of its kind, and offers an excellent reward for those who can secure the distribution we are looking for; car owners preferred; districts open, London West, South Coast, South Wales, Yorkshire, West of England. Applicants must state clearly territory trades covered and remuneration, commission or otherwise. Write Box 529, Dorland, 14 Regent Street, S.W.1.

A BLE Representative, with good connection, required for Ulster; 10%-20% commission and part expenses upon conclusion of trial period; excellent and live connection handed over. 148/242, Office of this Paper.

A SSISTANT Sales Manager, with expert knowledge of marketing, is required by a well-known firm to exploit several Preparations to Pharmacists; outside sales experience essential. Write, stating age, experience, and salary required, to 147/226, Office of this Paper.

D RY Counter Hand wanted, also one for Wet; North London district. Apply by letter, giving experience, age and wages, to 148/254, Office of this Paper.

L EDGER Clerk (lady) wanted; must have had good experience and be capable of handling a large number of accounts; some experience of Druggists' Sundries trade an advantage; salary £2 per week. Apply, in own handwriting, giving full particulars and stating age, to "P. M. G.," 148/248, Office of this Paper.

M ANUFACTURERS of Branded Goods, which are stocked by 50% of Chemists, are re-organising their selling staff, and require young men of proved ability to carry their goods on a commission basis; small samples; all districts except London. Full particulars of firms now represented, district, experience, and age to Box 65, c/o C. Vernon & Sons, Ltd., 58 Holborn Viaduct, E.C.1.

O LD-ESTABLISHED London Toilet Soap and Perfumery Manufacturers have a vacancy for a Representative to travel the whole of Scotland (Morris car provided); applicants must be resident in Scotland, and must not be over 30 years of age. Applications, which will be treated in strict confidence, should state fullest particulars of experience, etc., and addressed to 148/247, Office of this Paper.

R EQUIRED, the part-time services of experienced Medical Propaganda Representatives on the following territories:—

- (1) North of England.
- (2) The Midlands.
- (3) The East Coast.
- (4) The South Coast.

The line is a Proprietary Preparation already well known to the medical profession; applicants must already represent an established house. Please state ground covered, salary required, age, etc. If possible send photograph. Apply "J. D. H.," 148/250, Office of this Paper.

S ALES MAN required immediately for selling Proprietary line to Chemists and Stores, Southern Counties. Write, stating age, experience, and terms, Box 30, Griffiths & Millington, Ltd., Advertising Contractors, 20 Wellington Street, Strand, London, W.C.2.

V ACANCY open for a man, under 30, to take charge of Advertising and Publicity, also make calls few business houses London district. Stafford Allen & Sons, Ltd., 7 Cowper Street, Finsbury, E.C.2.

(COLONIAL, INDIAN AND FOREIGN.)

P ARIS.—Assistant, with knowledge of French and Continental experience. Full particulars last three situations, age, height, references, salary, etc. Roberts & Co., 5 Rue de la Paix, Paris.

SITUATIONS WANTED.**RETAIL. [HOME.]**

A.A.A.—YOUNG qualified Chemist requires situation (Locum or permanency); resident in Norwich; would go anywhere for good position. Send full particulars to "M.P.S.," 247/22, Office of this Paper.

A.A.A.—CHEMIST, Scot, young, all-round experience city businesses, wishes post. Wm. McGregor, Shalom, Motherwell.

A.A.A.—CHEMIST; experienced all branches; diplomate Optician, F.S.M.C., F.I.O., J.C.Q.O.; send wires, expressed letters; reasonable terms; own equipment; disengaged. "Chemist," 12 Tenby Road, Ponders End, Middlesex.

Q UALIFIED, elderly, small income, much good business experience, good Dispenser, Prescriber, references, desires part-time or easy post. 247/33, Office of this Paper.

Q UALIFIED, elderly, engaged in country, desires situation nearer home as Assistant; competent Dispenser, N.H.I., Photography, or would supervise small business. Paine, 9 Bexhill Road, Crofton Park, S.E.4.

Q UALIFIED, 30, desires immediate post; Locum or permanent; London preferred. "Croton," 12 St. Martin's Road, S.W.9.

A.A.A.—A capable, experienced, qualified Manager or Managing Assistant requires situation immediately; London or provinces; excellent references; Locum or permanency. "Scot," 19 Earham Grove, Forest Gate, E.7.

A.A.A.—GO-AHEAD Pharmacist; 26; Salesman, Photographics, Refractionist (shortly sitting J.C.Q.O.); varied and valuable locum experience in town, country and seaside; well recommended; as Locum, or would consider good permanency with scope in Optics; free May 13. "Chemist," 1 Cricklewood Lane, London, W.

A.A.—QUALIFIED Chemist, married, Manager for last 2 years, seeks change in South or West of England. 48/40, Office of this Paper.

A CAPABLE and experienced qualified Chemist as Locum; free to July 6. "Chemist," 415 High Road, Leytonstone, E.11.

A RELIABLE unqualified Assistant, at present multiple firm, desires change; good appearance; 30; 6 years present employer's various branches; experience chiefly good-class brisk retail. 243/21, Office of this Paper.

A S experienced Manager, Senior, Locum; used general business and heavy Panel. "G.," 130 Scott-Ellis Gardens, N.W.8.

A S Locum or season Assistant; competent all branches; West-End and suburban; Sales, Display, Dispensing, management; free 12th. "C.," 37 Lennox Road, Walthamstow, E.17. Urgent communications: Phone Walthamstow 2205.

A S Locum or permanent situation; age 31; good experience as Assistant and Manager. "Chemist," 50 Grove Lane, Amberwell, S.E.5.

A SSISTANT; 21; Part I; good Dispenser, capable, Counter-man; honest; industrious; references. Taylor, 30 Crawford Street, Leeds.

A SSISTANT and Dispenser (lady), qualified (Hall), thoroughly experienced in Counter and N.H.I. work, desires post with chemist or Doctor in London. "L. S.," 155 Elgin Avenue, W.

A SSISTANT, unqualified, 6 ft. 1 in., 16 years' experience, age 29, first-class Window-dresser, Photo, Optics, good all round, desires berth, London; South-West preferred, but not essential. "Statim," 353 Durnsford Road, S.W.19.

A SSISTANT, 24 (Part I), 5½ years Counter, Dispensing and Photographic, desires temporary position; London preferred, but not essential. Stearn, 257 Mill Road, Cambridge.

A SSISTANT; unregistered; experienced; Windows, Counter, Photographic, Dispensing; disengaged. Write "Agar," 48/29, Office of this Paper.

A SSISTANT—just returned from Riviera—temporary or Locum; trustworthy; competent Dispenser; West-End experience. Spedding, 233 Camden Avenue, Welling.

A SSISTANT, unqualified, 36, good all-round experience, energetic, seeks permanency. 249/6, Office of this Paper.

BIRMINGHAM or Leicester Districts.—Pharmacist, 25, disengaged, desires permanency in either district; 2 years' Midlands experience. "Pharmacist," c/o 36 Linwood Road, Handsworth, Birmingham.

CAPABLE, qualified Manager desires progressive post, London; 12 years' all-round experience; excellent references. "H.," 32 Shakespeare Crescent, Manor Park, E.12.

CHEMIST'S widow, with boy 12, seeks post; accurate at figures, willing to assist in shop, or Housekeeper; own furniture if required. Write c/o 5 Greyhound Road, Tottenham, London, N.17.

CHEMIST, young, energetic, requires post as Locum, or permanency; fully experienced all branches. 126 Goldhurst Terrace, N.W.6.

DISENGAGED. — Competent, all-round Assistant; active; obliging; middle-aged; unqualified; successful manager; permanency or Locum. "Chemist," 91 Duncombe Road, Holloway, N.19.

DISENGAGED; 32; qualified; married; experienced; Manager, Assistant. Griffiths, 24 Kincaid Street, Cardiff.

DISPENSER (lady), M.P.S., 8 years' experience, desires post, Hospital or similar institution. 248/16, Office of this Paper.

EXPERIENCED Pharmacist desires engagement; good-class, preferably West-End; untarnished record. "Chemist," Queen's Road, N.W.8.

EXPERIENCED man, energetic, trustworthy, as Manager, Drug Store or neglected business builder; good Salesman; London; unregistered. Write "Energy," P.C.B. 30/9, Office of this Paper.

ENTELMAN, 24, desires post, London; referred Poison Law, April; disengaged. Evans, 39 Mayflower Road, Stockwell.

GLASGOW man, middle-aged, unqualified Assistant; anywhere; free now; Locum or permanency. P.C.B. 29/28, Office of this Paper.

JUNIOR; age 21; Counter, Dispensing, Photo, Window-dressing; best references. D. McCarthy, 31 Woodfield Road, Paddington, W.9.

LADY Dispenser desires post with Doctor for summer months; qualified; experienced; good testimonials; moderate salary. Miss Daniel, "Myrtles," Bradninch, Devon.

LADY Assistant, thoroughly experienced and competent, able to take charge of Toilet and Perfumery Department, also Drugs; 5 years in present position; good references. 246/18, Office of this Paper.

LADY Dispenser-Book-keeper, age 24, desires post with Doctor; some experience; able to drive. 245/40, Office of this Paper.

LADY Assistant; 28; 10 years' (London) Counter, Photography experience; disengaged; permanency or Locum. "D. H. M.," 35 Miranda Road, Highgate, N.19.

LADY Assistant, 20, Part I and Kodak Course, requires season's engagement; Counter, Dispensing, or Photographic. Cathro, Frodsham, Cheshire.

LADY Dispenser wants whole or part-time work in London; qualified and experienced. Paine, 38 Clifton Gardens, W.9.

LOCUM; qualified; retired Chemist; excellent references. "Chemist," Flat 2, 6 Colville Mansions, Powis Terrace, Bayswater, W.2.

LOCUM; thoroughly competent; highest references; vacant dates June 1 to 15, June 30 to July 14, inclusive; town or country. "Locum," c/o Carne, Chemist, 165 Brecknock Road, N.19.

LOCUM; M.P.S.; 31; all-round experience; free after June 15; Nottinghamshire preferred. "J.," 8 Harrogate Street, Netherfield, Notts.

LOCUM; qualified; disengaged except May and August; over 20 years' experience, mostly West-End; competent, reliable. "Pharmacist," 81 Camden Road, N.W.1.

LOCUM, with highest references, open for immediate and future bookings; London or country; unqualified. "H.," 43 Quernmore Road, N.4.

LOCUM; qualified; active and experienced. Inquiries or interview to Briggs, 8 Brooke Street, Dudley.

LOCUM; unqualified; can manage; open dates except June 16 to 30. "Radix," 72 Tremadoc Road, Clapham, S.W.4.

LONDON or the South.—Young, qualified, capable and energetic Salesman; reliable; Photographic and Optics; season or permanency; excellent references. G. W. Taylor, 40 Duncombe Street, Sheffield.

L.P.S.I., married, wishes permanency; would act as Doctor's Dispenser; London preferred. 239/24, Office of this Paper.

MANCHESTER OR SUBURB.—Situation wanted as Junior; age 22; disengaged; capable and reliable; good experience in Dispensing, Prescribing, Photography, etc.; highly recommended. H. Copple, 161 Sussex Street, Lower Broughton, Salford.

MANCHESTER OR NEAR.—Assistant, of good appearance and address (referred Materia Medica), seeks situation; used to good-class quick Counter and Dispensing; good experience; highest references. Booth, 7, St. Paul's Road, Coventry.

M.P.S., recently disposed of own business, desires post as Locum, Manager or Assistant. 247/29, Office of this Paper.

PHARMACIST, 42, married, energetic and reliable, first-class references, desires engagement; South preferably; interview London district after May 21. Replies to 245/39, Office of this Paper.

QUALIFIED, wide experience, requires position, Locum or permanent, at once; London area. "N.," 8 Carlyle Mansions, The Mall, Kensington, W.

QUALIFIED Manager or Superintendent; 49; 5 ft. 8 in.; widely experienced; capable; trustworthy; abstainer; married; disengaged. Harper, 14 Farfield Avenue, Farsley, near Leeds.

QUALIFIED; 22; good Dispensing and Counter experience, also Photographic; 30 miles radius of Plymouth preferred. "Chemist," 24 Bernice Terrace, Plymouth.

QUALIFIED, young, desires position; good experience and highest references. Thomas, Tynawr, Bodelern, Holyhead.

QUALIFIED; 33; married; disengaged May 18; sound references; all-round experience; London or Sussex preferred; Locum or permanency. "Chemist," 17 New Steine, Brighton.

QUALIFIED, 37, desires management, or with view to succession; living accommodation; disengaged one month when suited. 249/18, Office of this Paper.

QUALIFIED, 26, desires post as Manager; 10 years' good all-round experience in London and provinces. 248/25, Office of this Paper.

QUALIFIED, 22, requires position; Lancashire or Yorkshire preferred, but not essential. 248/33, Office of this Paper.

UNQUALIFIED Assistant desires position in Drug Store, Yorkshire preferred, either Partnership or with view to purchase; has worked 9 years under qualified supervision, including five in present position. Apply 246/36, Office of this Paper.

UNQUALIFIED Assistant (19) desires post in North of England (not essential); good all-round experience, Dispensing, Counter, Photography, etc.; excellent reference. Swainston, 15 St. Michael's Avenue, South Shields.

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UNQUALIFIED, 31, single, abstainer, desires post; Dispensing, Counter, Photographic; experience D. & P.; good references; disengaged; season or permanent. 249/24, Office of this Paper.

WOMAN M.P.S. requires post; middle-aged; excellent testimonials; London district preferred, but not essential. 148/253, Office of this Paper.

YOUTH, 21, desires vacancy in busy class trade; 6 years' experience; excellent references; small remuneration to start; West London preferably. Apply "E. M. G." 66 Ringmer Avenue, Fulham, S.W.6.

WHOLESALE.

A **CHEMIST** (aged 22, qualified and Square trained) desires position with Wholesale or Retail firm as Representative or Superintendent; height 5 ft. 8 in.; used to car driving; resident in Norfolk. Apply, with full particulars, to "Pharmacist," 247/220, Office of this Paper.

A **CAPABLE** Representative, young, energetic, requires position progressive house; Drugs, Sundries, Proprietaries, Medical Propaganda work; connection South Coast, London, Midlands; soundly recommended. 248/30, Office of this Paper.

A **REAL** live Representative, with strong and extensive connection amongst Chemists and Hairdressers in London, desires position with reputable house, or would consider side lines if real sellers and repeaters; excellent credentials. 148/255, Office of this Paper.

A **REPRESENTATIVE**, with exceptional records and sound connection with London Chemists, Hairdressers and Stores, is open to represent a live Proprietary House; good results assured to the right firm; undeniable references; salary and commission. 148/256, Office of this Paper.

A **DVERTISER**, 35, Retail trained, active worker, keen Sales man, desires appointment with good house; Drugs, Sundries or Proprietaries; Western or Midland Counties; interview London. 248/22, Office of this Paper.

A **RE** you seeking an experienced Representative to handle your lines? Advertiser, well known London Stores, Chemists, etc., invites offers. 249/19, Office of this Paper.

E **XCEPTIONAL EXPERIENCE**. — Pharmacist, 3 years' University medical training, 10 years' medical propaganda and sales, entrée to all the leading Hospitals and Institutions in the British Isles, Orthopaedic Diplomas, will shortly be disengaged; part-time representation considered; any house of repute requiring an energetic, trustworthy, and conscientious representative (not a passenger) should write to "Medicus," 248/21, Office of this Paper.

E **XPERIENCED** Representative, capable, keen Salesman, successful propagandist, desires appointment with good house; Drugs, Sundries or Proprietaries; South Coast, Western Counties, or Midlands. 224/40, Office of this Paper.

F **OREWOMAN**; disengaged; used to controlling large staff; good experience labelling, wrapping, etc.; good knowledge of Southall & Smith filling machines; excellent references. "M. B.," 47 Lowden Road, Herne Hill, S.E.24.

G **ENTLEMAN**, with car, wide connection Chemists, Hairdressers, Midlands, East Coast, desires post; expenses allowance; 35 years Drug trade; keen; industrious; son of M.P.S. "Hamasan," 248/31, Office of this Paper.

R **EPRESENTATIVE**, with live connection, Chemists and Stores, desires whole-time appointment to represent good house, preferably South London. P.C.B. 28/12, Office of this Paper.

R **EPRESENTATIVE**, with closed car, extensive established connection with London Chemists and Hairdressers, desires additional representation for firm of repute; part expenses and commission. 248/25, Office of this Paper.

T **HOROUGHLY** competent, experienced young man seeks position from July to October; Wholesale or abroad entertained; trying Part I June. "Student," 4 Teify Terrace, Farn-dale, Glam.

T **RAVELLER**, calling upon Grocers and General Stores, desires to handle good line or lines suitable to these trades. Address P.C.B. 29/5, Office of this Paper.

FOR SALE.

C **CHEMIST'S** Fittings and Shop Rounds for Sale; handsome fittings and in very good condition; fittings by Maw, Son & Sons; offers wanted. Full particulars on application. Henry Francis, 22 High Street, Bromley, Kent.

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L **IMITED COMPANIES REGISTERED**.—I have now been engaged in this work over 20 years, so you may rely that my experience in Chemist and other Companies (I take all trades) is hard to beat. Most reasonable and inclusive fee. Advice free. **A. B. SLACK, 15 Christ Church Avenue, West Didsbury, Manchester.**

Q **UANTITY SHOP FITTINGS**.—12 ft. Pharmacy Fitting, 10 ft. glass cased Front Counter, 6 ft. Dispensing Screen, 6 ft. Wall Case, 6 ft. bent plate-glass Counter Case, Counter Drawers, Perfume Case and Desk, all mahogany, £100; splendid value. **PHILIP JOSEPHS & SONS, LTD., 90/92 St. John Street, Clerkenwell, London, E.C.1.** "Pharmacy-Fitters for over 50 years."

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£87 15s.—SET OF MAHOGANY FITTINGS.—10 ft. Drug Counter, 50 drawers (glass knobs and labels), shelving, cupboards and lockers; 10 ft. glass-fronted Counter, nest of drawers at back; 6 ft. Wallcase, 6 ft. Dispensing Screen, Perfumery Case and Desk. Illustrations on request. **E. BERG, LT, 355 Old Street, London, E.C.1.**

£95 FOR A COMPLETE SET of Pharmacy Fittings, ready for immediate use, 10 ft. mahogany Drug Fitting with showcase, drawers, cupboards, shelving, etc.; 6 ft. Wall Case in two heights; 6 ft. Dispensing Screen with showcase and bevelled mirror in centre; 10 ft. mahogany Serving Counter with cases in front; two nests of Counter Drawers; plate-glass Counter Case, Perfume Showcase and Desk, Check Till. **PERKINS & JOSEPHS, 68 Old Street, 1/5 Tilney Court, London, E.C.1. Phone: Clerkenwell 0929.**

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50 LABELLED SHOP ROUNDS, 20 oz.; best offer taken. Write "S. C. S." 353 Durnford Road, Wimbledon Park, S.W. **DEVELOPING TANKS** made of yellow pine; two 8 1/2 in. x 8 1/2 in. x 44 in., one 8 1/2 in. x 2 in. x 44 in., inside measure never been used; £4. 244/17, Office of this Paper.

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